GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 17.0123 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-1
Perfect score: 81
Sequence: 1 KHKHKHKGKHKHK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	68	84.0	1199	2	US-09-208-742-2	Sequence 2, Appli
2	68	84.0	1199	2	US-09-332-295-4	Sequence 4, Appli
3	68	84.0	1199	2	US-09-709-979-4	Sequence 4, Appli
4	68	84.0	1199	2	US-10-147-268-4	Sequence 4, Appli
5	64.5	79.6	224	2	US-09-902-540-12716	Sequence 12716, A
6	57	70.4	297	2	US-09-248-796A-22393	Sequence 22393, A
7	56	69.1	1213	1	US-08-188-582-20	Sequence 20, Appl
8	56	69.1	1213	1	US-08-646-715-20	Sequence 20, Appl
9	55	67.9	10	2	US-10-104-307-18	Sequence 18, Appl
10	53	65.4	18	1	US-08-346-849-64	Sequence 64, Appl
11	53	65.4	18	1	US-08-293-284A-64	Sequence 64, Appl
12	53	65.4	18	2	US-08-898-300-64	Sequence 64, Appl
13	53	65.4	18	2	US-08-824-513-64	Sequence 64, Appl
14	53	65.4	313	2	US-08-686-528A-3	Sequence 3, Appli
15	53	65.4	313	2	US-09-456-287-3	Sequence 3, Appli
16	53	65.4	337	2	US-08-686-528A-2	Sequence 2, Appli
17	53	65.4	337	2	US-09-456-287-2	Sequence 2, Appli
18	51.5	63.6	28	2	US-09-437-912-6	Sequence 6, Appli
19	51.5	63.6	47	2	US-09-612-126-4	Sequence 4, Appli
20	51.5	63.6	62	2	US-09-612-126-7	Sequence 7, Appli
21	51.5	63.6	83	2	US-09-612-126-6	Sequence 6, Appli

22	51.5	63.6	94	2	US-09-612-126-10	Sequence 10, Appl
23	51.5	63.6	179	2	US-09-612-126-11	Sequence 11, Appl
24	51.5	63.6	186	2	US-09-612-126-8	Sequence 8, Appli
25	51.5	63.6	255	2	US-09-612-126-1	Sequence 1, Appli
26	51.5	63.6	255	2	US-10-129-946-1	Sequence 1, Appli
27	51.5	63.6	415	3	US-10-162-335-76	Sequence 76, Appl
28	51.5	63.6	579	2	US-09-949-002-475	Sequence 475, App
29	51.5	63.6	579	2	US-09-949-002-481	Sequence 481, App
30	51.5	63.6	615	3	US-10-162-335-72	Sequence 72, Appl
31	51.5	63.6	644	3	US-10-162-335-74	Sequence 74, Appl
32	51.5	63.6	644	3	US-10-162-335-84	Sequence 84, Appl
33	50	61.7	110	2	US-09-513-999C-7836	Sequence 7836, Ap
34	50	61.7	381	2	US-09-919-497-96	Sequence 96, Appl
35	49.5	61.1	55	2	US-09-270-767-61691	Sequence 61691, A
36	49.5	61.1	199	2	US-09-270-767-46135	Sequence 46135, A
37	49	60.5	14	2	US-09-648-569A-42	Sequence 42, Appl
38	49	60.5	14	2	US-09-904-196B-12	Sequence 12, Appl
39	49	60.5	14	2	US-09-760-008A-12	Sequence 12, Appl
40	49	60.5	14	2	US-09-782-587B-15	Sequence 15, Appl
41	49	60.5	14	2	US-10-192-294-12	Sequence 12, Appl
42	49	60.5	14	2	US-09-997-623-44	Sequence 44, Appl
43	49	60.5	14	2	US-10-195-707B-38	Sequence 38, Appl
44	49	60.5	14	3	US-09-806-703A-24	Sequence 24, Appl
45	49	60.5	15	2	US-09-904-196B-5	Sequence 5, Appli
46	49	60.5	15	2	US-09-760-008A-5	Sequence 5, Appli
47	49	60.5	15	2	US-09-556-818-26	Sequence 26, Appl
48	49	60.5	15	2	US-09-782-587B-16	Sequence 16, Appl
49	49	60.5	15	2	US-10-192-294-5	Sequence 5, Appli
50	49	60.5	15	2	US-09-997-623-45	Sequence 45, Appl
51	49	60.5	173	2	US-09-396-937-10	Sequence 10, Appl
52	49	60.5	173	2	US-09-396-937-12	Sequence 12, Appl
53	49	60.5	173	2	US-09-396-937-18	Sequence 18, Appl
54	49	60.5	173	2	US-09-396-937-20	Sequence 20, Appl
55	49	60.5	182	2	US-09-396-937-16	Sequence 16, Appl
56	49	60.5	187	2	US-09-396-937-8	Sequence 8, Appli
57	49	60.5	188	2	US-09-396-937-14	Sequence 14, Appl
58	48.5	59.9	300	2	US-09-395-689-1	Sequence 1, Appli
59	48.5	59.9	765	1	US-08-663-112-2	Sequence 2, Appli
60	48.5	59.9	765	2	US-09-538-092-906	Sequence 906, App
61	48.5	59.9	765	2	US-09-882-274-2	Sequence 2, Appli
62	48	59.3	582	2	US-09-976-594-733	Sequence 733, App
63	48	59.3	1097	3	US-08-951-188A-4	Sequence 4, Appli
64	47	58.0	213	2	US-09-252-991A-17343	Sequence 17343, A
65	47	58.0	218	2	US-09-252-991A-25291	Sequence 25291, A
66	47	58.0	1716	2	US-09-949-016-11331	Sequence 11331, A
67	46	56.8	117	2	US-09-513-999C-5282	Sequence 5282, Ap
68	46	56.8	363	2	US-10-094-749-1983	Sequence 1983, Ap
69	46	56.8	425	2	US-09-270-767-45380	Sequence 45380, A
70	46	56.8	618	2	US-09-248-796A-14560	Sequence 14560, A
71	46	56.8	713	2	US-09-252-991A-19477	Sequence 19477, A
72	45.5	56.2	531	2	US-09-270-767-32631	Sequence 32631, A
73	45.5	56.2	531	2	US-09-270-767-47848	Sequence 47848, A
74	45	55.6	16	1	US-08-346-849-49	Sequence 49, Appl
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76	45	55.6	16	2	US-08-898-300-49	Sequence 49, Appl
77	45	55.6	16	2	US-08-824-513-49	Sequence 49, Appl
78	45	55.6	125	2	US-09-248-796A-24231	Sequence 24231, A
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80	45	55.6	718	2	US-09-328-352-5094	Sequence 5094, Ap
81	44.5	54.9	16	2	US-09-437-912-8	Sequence 8, Appli
82	44	54.3	10	2	US-09-615-153-19	Sequence 19, Appl
83	44	54.3	16	2	US-10-104-307-17	Sequence 17, Appl
84	44	54.3	353	2	US-09-270-767-32624	Sequence 32624, A
85	44	54.3	353	2	US-09-270-767-47841	Sequence 47841, A
86	44	54.3	944	2	US-09-449-285A-2	Sequence 2, Appli
87	44	54.3	944	2	US-09-964-238-2	Sequence 2, Appli
88	44	54.3	1104	2	US-10-104-047-2506	Sequence 2506, Ap

89	44	54.3	1125	2	US-09-949-016-10194	Sequence 10194, A
90	44	54.3	1214	2	US-09-949-016-6885	Sequence 6885, Ap
91	44	54.3	1318	2	US-09-949-016-7130	Sequence 7130, Ap
92	43.5	53.7	10	2	US-09-615-153-20	Sequence 20, Appl
93	43.5	53.7	219	2	US-09-270-767-57647	Sequence 57647, A
94	43.5	53.7	408	2	US-09-270-767-42361	Sequence 42361, A
95	43	53.1	111	2	US-09-902-540-12498	Sequence 12498, A
96	43	53.1	439	2	US-09-248-796A-15955	Sequence 15955, A
97	43	53.1	455	2	US-09-252-991A-24911	Sequence 24911, A
98	43	53.1	459	2	US-09-252-991A-32433	Sequence 32433, A
99	43	53.1	650	2	US-09-252-991A-19052	Sequence 19052, A
100	43	53.1	1024	2	US-10-449-315-2	Sequence 2, Appli

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 55.7716 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-1
Perfect score: 81
Sequence: 1 KHKHKHKGKHKHK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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4	81	100.0	15	4	US-10-131-909A-2	Sequence 2, Appli
5	81	100.0	19	4	US-10-018-103A-3	Sequence 3, Appli
6	81	100.0	19	4	US-10-131-909A-3	Sequence 3, Appli
7	81	100.0	19	4	US-10-136-187-45	Sequence 45, Appl
8	81	100.0	19	5	US-10-850-873-45	Sequence 45, Appl
9	81	100.0	21	4	US-10-018-103A-9	Sequence 9, Appli
10	81	100.0	21	4	US-10-018-103A-16	Sequence 16, Appl
11	81	100.0	21	4	US-10-131-909A-9	Sequence 9, Appli
12	81	100.0	21	4	US-10-131-909A-16	Sequence 16, Appl
13	81	100.0	29	4	US-10-018-103A-4	Sequence 4, Appli
14	81	100.0	29	4	US-10-131-909A-4	Sequence 4, Appli
15	75	92.6	980	4	US-10-369-493-1406	Sequence 1406, Ap
16	75	92.6	980	4	US-10-451-467A-32	Sequence 32, Appl
17	73	90.1	29	4	US-10-018-103A-7	Sequence 7, Appli
18	73	90.1	29	4	US-10-131-909A-7	Sequence 7, Appli
19	68	84.0	1199	4	US-10-147-268-4	Sequence 4, Appli
20	68	84.0	1199	4	US-10-338-279-4	Sequence 4, Appli
21	68	84.0	1199	4	US-10-408-765A-2020	Sequence 2020, Ap
22	68	84.0	1199	5	US-10-756-149-5165	Sequence 5165, Ap

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24	61	75.3	16	3	US-09-778-200-27	Sequence 27, Appl
25	61	75.3	16	4	US-10-192-832-30	Sequence 30, Appl
26	61	75.3	16	5	US-10-431-000B-25	Sequence 25, Appl
27	61	75.3	16	5	US-10-877-068-27	Sequence 27, Appl
28	61	75.3	16	5	US-10-968-790-27	Sequence 27, Appl
29	60	74.1	19	4	US-10-018-103A-13	Sequence 13, Appl
30	60	74.1	19	4	US-10-131-909A-13	Sequence 13, Appl
31	59	72.8	1007	4	US-10-211-133-7	Sequence 7, Appli
32	59	72.8	1043	4	US-10-097-340-258	Sequence 258, App
33	59	72.8	1043	6	US-11-050-926-258	Sequence 258, App
34	58	71.6	337	4	US-10-270-333-96	Sequence 96, Appl
35	58	71.6	337	6	US-11-097-143-17679	Sequence 17679, A
36	57	70.4	104	4	US-10-437-963-114806	Sequence 114806,
37	56.5	69.8	874	6	US-11-097-143-18096	Sequence 18096, A
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40	55.5	68.5	931	4	US-10-408-765A-1585	Sequence 1585, Ap
41	55	67.9	10	4	US-10-018-103A-14	Sequence 14, Appl
42	55	67.9	10	4	US-10-131-909A-14	Sequence 14, Appl
43	55	67.9	10	4	US-10-104-307-18	Sequence 18, Appl
44	55	67.9	17	4	US-10-131-909A-17	Sequence 17, Appl
45	54	66.7	639	6	US-11-097-143-33207	Sequence 33207, A
46	53.5	66.0	341	6	US-11-097-143-30555	Sequence 30555, A
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49	53	65.4	159	6	US-11-096-568A-27902	Sequence 27902, A
50	53	65.4	221	6	US-11-096-568A-27901	Sequence 27901, A
51	53	65.4	335	4	US-10-398-186-4	Sequence 4, Appli
52	53	65.4	366	4	US-10-406-686A-76	Sequence 76, Appl
53	51.5	63.6	109	5	US-10-637-313-8	Sequence 8, Appli
54	51.5	63.6	109	5	US-10-637-313-48	Sequence 48, Appl
55	51.5	63.6	125	5	US-10-507-734-26	Sequence 26, Appl
56	51.5	63.6	243	5	US-10-637-313-12	Sequence 12, Appl
57	51.5	63.6	243	5	US-10-637-313-50	Sequence 50, Appl
58	51.5	63.6	305	5	US-10-450-763-51459	Sequence 51459, A
59	51.5	63.6	415	4	US-10-162-335-76	Sequence 76, Appl
60	51.5	63.6	415	5	US-10-637-313-26	Sequence 26, Appl
61	51.5	63.6	415	6	US-11-051-724-76	Sequence 76, Appl
62	51.5	63.6	579	5	US-10-893-315-101	Sequence 101, App
63	51.5	63.6	579	5	US-10-893-315-105	Sequence 105, App
64	51.5	63.6	615	4	US-10-162-335-72	Sequence 72, Appl
65	51.5	63.6	615	5	US-10-637-313-22	Sequence 22, Appl
66	51.5	63.6	615	6	US-11-051-724-72	Sequence 72, Appl
67	51.5	63.6	616	5	US-10-637-313-14	Sequence 14, Appl
68	51.5	63.6	621	5	US-10-637-313-16	Sequence 16, Appl
69	51.5	63.6	621	5	US-10-637-313-44	Sequence 44, Appl
70	51.5	63.6	622	5	US-10-637-313-18	Sequence 18, Appl
71	51.5	63.6	626	5	US-10-507-734-25	Sequence 25, Appl
72	51.5	63.6	644	4	US-10-162-335-74	Sequence 74, Appl
73	51.5	63.6	644	4	US-10-162-335-84	Sequence 84, Appl
74	51.5	63.6	644	5	US-10-637-313-2	Sequence 2, Appli
75	51.5	63.6	644	5	US-10-637-313-4	Sequence 4, Appli
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77	51.5	63.6	644	5	US-10-637-313-52	Sequence 52, Appl
78	51.5	63.6	644	5	US-10-637-313-54	Sequence 54, Appl
79	51.5	63.6	644	5	US-10-637-313-56	Sequence 56, Appl
80	51.5	63.6	644	5	US-10-637-313-58	Sequence 58, Appl
81	51.5	63.6	644	5	US-10-637-313-60	Sequence 60, Appl
82	51.5	63.6	644	5	US-10-637-313-62	Sequence 62, Appl
83	51.5	63.6	644	5	US-10-637-313-64	Sequence 64, Appl
84	51.5	63.6	644	5	US-10-637-313-66	Sequence 66, Appl
85	51.5	63.6	644	5	US-10-637-313-68	Sequence 68, Appl
86	51.5	63.6	644	5	US-10-637-313-70	Sequence 70, Appl
87	51.5	63.6	644	5	US-10-637-313-72	Sequence 72, Appl
88	51.5	63.6	644	5	US-10-637-313-74	Sequence 74, Appl
89	51.5	63.6	644	5	US-10-637-313-76	Sequence 76, Appl

90	51.5	63.6	644	5	US-10-741-600-1180	Sequence 1180, Ap
91	51.5	63.6	644	5	US-10-450-763-51460	Sequence 51460, A
92	51.5	63.6	644	6	US-11-051-724-74	Sequence 74, Appl
93	51.5	63.6	644	6	US-11-051-724-84	Sequence 84, Appl
94	51.5	63.6	720	5	US-10-450-763-51462	Sequence 51462, A
95	51	63.0	145	6	US-11-096-568A-29065	Sequence 29065, A
96	51	63.0	207	6	US-11-096-568A-29064	Sequence 29064, A
97	50	61.7	68	4	US-10-425-115-343636	Sequence 343636,
98	50	61.7	79	4	US-10-424-599-245751	Sequence 245751,
99	50	61.7	119	6	US-11-096-568A-24129	Sequence 24129, A
100	50	61.7	142	6	US-11-096-568A-24128	Sequence 24128, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 8.10494 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-1
Perfect score: 81
Sequence: 1 KHKHKHKGKHKHK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	61	75.3	16	7	US-11-254-805-49	Sequence 49, Appl
2	61	75.3	16	7	US-11-320-468-49	Sequence 49, Appl
3	53	65.4	18	7	US-11-254-805-34	Sequence 34, Appl
4	53	65.4	18	7	US-11-320-468-34	Sequence 34, Appl
5	53	65.4	123	7	US-11-056-355B-70006	Sequence 70006, A
6	53	65.4	123	7	US-11-056-355B-87848	Sequence 87848, A
7	53	65.4	159	7	US-11-056-355B-70005	Sequence 70005, A
8	53	65.4	159	7	US-11-056-355B-87847	Sequence 87847, A
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10	53	65.4	243	7	US-11-056-355B-87846	Sequence 87846, A
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12	51	63.0	145	7	US-11-056-355B-71462	Sequence 71462, A
13	51	63.0	207	7	US-11-056-355B-71461	Sequence 71461, A
14	50	61.7	119	7	US-11-056-355B-13846	Sequence 13846, A
15	50	61.7	142	7	US-11-056-355B-13845	Sequence 13845, A
16	50	61.7	144	7	US-11-056-355B-13138	Sequence 13138, A
17	50	61.7	155	7	US-11-056-355B-13137	Sequence 13137, A
18	50	61.7	165	6	US-10-953-349-28541	Sequence 28541, A
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20	50	61.7	205	7	US-11-056-355B-13844	Sequence 13844, A

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22	50	61.7	220	6	US-10-449-902-46772	Sequence 46772, A
23	50	61.7	220	6	US-10-449-902-48827	Sequence 48827, A
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26	50	61.7	233	6	US-10-953-349-28539	Sequence 28539, A
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38	46	56.8	343	6	US-10-478-743B-4	Sequence 4, Appli
39	46	56.8	382	6	US-10-478-743B-2	Sequence 2, Appli
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41	45	55.6	16	7	US-11-320-468-18	Sequence 18, Appl
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57	44.5	54.9	885	7	US-11-293-697-3459	Sequence 3459, Ap
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63	44	54.3	159	6	US-10-471-571A-3816	Sequence 3816, Ap
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68	44	54.3	661	6	US-10-505-928-690	Sequence 690, App
69	44	54.3	1135	6	US-10-449-902-41295	Sequence 41295, A
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73	44	54.3	1176	7	US-11-056-355B-107846	Sequence 107846,
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76	44	54.3	1296	7	US-11-056-355B-107845	Sequence 107845,
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88	42	51.9	16	7	US-11-320-468-29	Sequence 29, Appl
89	42	51.9	16	7	US-11-320-468-30	Sequence 30, Appl
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91	42	51.9	122	6	US-10-953-349-14294	Sequence 14294, A
92	42	51.9	275	7	US-11-056-355B-82618	Sequence 82618, A
93	42	51.9	276	7	US-11-056-355B-7857	Sequence 7857, Ap
94	42	51.9	276	7	US-11-056-355B-15394	Sequence 15394, A
95	42	51.9	276	7	US-11-056-355B-20273	Sequence 20273, A
96	42	51.9	288	6	US-10-449-902-49720	Sequence 49720, A
97	42	51.9	299	6	US-10-953-349-5486	Sequence 5486, Ap
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GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 19.6296 Seconds
(without alignments)
66.887 Million cell updates/sec

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Perfect score: 94
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	72	76.6	1199	2	US-09-208-742-2	Sequence 2, Appli
2	72	76.6	1199	2	US-09-332-295-4	Sequence 4, Appli
3	72	76.6	1199	2	US-09-709-979-4	Sequence 4, Appli
4	72	76.6	1199	2	US-10-147-268-4	Sequence 4, Appli
5	67.5	71.8	224	2	US-09-902-540-12716	Sequence 12716, A
6	62	66.0	18	1	US-08-346-849-64	Sequence 64, Appl
7	62	66.0	18	1	US-08-293-284A-64	Sequence 64, Appl
8	62	66.0	18	2	US-08-898-300-64	Sequence 64, Appl
9	62	66.0	18	2	US-08-824-513-64	Sequence 64, Appl
10	61	64.9	1213	1	US-08-188-582-20	Sequence 20, Appl
11	61	64.9	1213	1	US-08-646-715-20	Sequence 20, Appl
12	60	63.8	313	2	US-08-686-528A-3	Sequence 3, Appli
13	60	63.8	313	2	US-09-456-287-3	Sequence 3, Appli
14	60	63.8	337	2	US-08-686-528A-2	Sequence 2, Appli
15	60	63.8	337	2	US-09-456-287-2	Sequence 2, Appli
16	57	60.6	297	2	US-09-248-796A-22393	Sequence 22393, A
17	57	60.6	582	2	US-09-976-594-733	Sequence 733, App
18	56	59.6	110	2	US-09-513-999C-7836	Sequence 7836, Ap
19	56	59.6	381	2	US-09-919-497-96	Sequence 96, Appl
20	55	58.5	10	2	US-10-104-307-18	Sequence 18, Appl
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22	54.5	58.0	47	2	US-09-612-126-4	Sequence 4, Appli
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26	54.5	58.0	117	2	US-09-513-999C-5282	Sequence 5282, Ap
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60	49.5	52.7	55	2	US-09-270-767-61691	Sequence 61691, A
61	49.5	52.7	199	2	US-09-270-767-46135	Sequence 46135, A
62	49	52.1	14	2	US-09-648-569A-42	Sequence 42, Appl
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64	49	52.1	14	2	US-09-760-008A-12	Sequence 12, Appl
65	49	52.1	14	2	US-09-782-587B-15	Sequence 15, Appl
66	49	52.1	14	2	US-10-192-294-12	Sequence 12, Appl
67	49	52.1	14	2	US-09-997-623-44	Sequence 44, Appl
68	49	52.1	14	2	US-10-195-707B-38	Sequence 38, Appl
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74	49	52.1	15	2	US-10-192-294-5	Sequence 5, Appli
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78	49	52.1	173	2	US-09-396-937-12	Sequence 12, Appl
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93	47.5	50.5	1716	2	US-09-949-016-11331	Sequence 11331, A
94	47	50.0	80	2	US-09-270-767-62448	Sequence 62448, A
95	47	50.0	84	2	US-09-270-767-46822	Sequence 46822, A
96	47	50.0	109	2	US-09-248-796A-26944	Sequence 26944, A
97	47	50.0	110	1	US-08-359-696-2	Sequence 2, Appli
98	47	50.0	184	2	US-09-248-796A-24480	Sequence 24480, A
99	47	50.0	213	2	US-09-252-991A-17343	Sequence 17343, A
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GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 64.3519 Seconds
(without alignments)
107.972 Million cell updates/sec

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Perfect score: 94
Sequence: 1 KHKHKHKGKHKHKHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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4	94	100.0	19	4	US-10-131-909A-3	Sequence 3, Appli
5	94	100.0	19	4	US-10-136-187-45	Sequence 45, Appl
6	94	100.0	19	5	US-10-850-873-45	Sequence 45, Appl
7	94	100.0	21	4	US-10-018-103A-9	Sequence 9, Appli
8	94	100.0	21	4	US-10-018-103A-16	Sequence 16, Appl
9	94	100.0	21	4	US-10-131-909A-9	Sequence 9, Appli
10	94	100.0	21	4	US-10-131-909A-16	Sequence 16, Appl
11	94	100.0	29	4	US-10-018-103A-4	Sequence 4, Appli
12	94	100.0	29	4	US-10-131-909A-4	Sequence 4, Appli
13	86	91.5	29	4	US-10-018-103A-7	Sequence 7, Appli
14	86	91.5	29	4	US-10-131-909A-7	Sequence 7, Appli
15	81	86.2	13	4	US-10-018-103A-1	Sequence 1, Appli
16	81	86.2	13	4	US-10-131-909A-1	Sequence 1, Appli
17	77	81.9	980	4	US-10-369-493-1406	Sequence 1406, Ap
18	77	81.9	980	4	US-10-451-467A-32	Sequence 32, Appl
19	72	76.6	1199	4	US-10-147-268-4	Sequence 4, Appli
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34	62	66.0	18	4	US-10-390-472-64	Sequence 64, Appl
35	61.5	65.4	1007	4	US-10-211-133-7	Sequence 7, Appli
36	61.5	65.4	1043	4	US-10-097-340-258	Sequence 258, App
37	61.5	65.4	1043	6	US-11-050-926-258	Sequence 258, App
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51	57	60.6	497	5	US-10-485-555-10	Sequence 10, Appl
52	57	60.6	521	3	US-09-925-300-1667	Sequence 1667, Ap
53	57	60.6	556	4	US-10-144-194A-110	Sequence 110, App
54	57	60.6	556	5	US-10-491-566-110	Sequence 110, App
55	57	60.6	582	4	US-10-144-194A-68	Sequence 68, Appl
56	57	60.6	582	4	US-10-144-194A-70	Sequence 70, Appl
57	57	60.6	582	5	US-10-491-566-68	Sequence 68, Appl
58	57	60.6	582	5	US-10-491-566-70	Sequence 70, Appl
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60	57	60.6	1291	4	US-10-312-352-32	Sequence 32, Appl
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62	56.5	60.1	20	4	US-10-131-909A-6	Sequence 6, Appli
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65	56	59.6	299	4	US-10-210-172-20	Sequence 20, Appl
66	56	59.6	359	6	US-11-096-568A-28234	Sequence 28234, A
67	56	59.6	371	5	US-10-287-436A-1121	Sequence 1121, Ap
68	56	59.6	375	6	US-11-096-568A-28233	Sequence 28233, A
69	56	59.6	381	3	US-09-919-497-96	Sequence 96, Appl
70	56	59.6	381	5	US-10-287-436A-424	Sequence 424, App
71	56	59.6	381	5	US-10-784-004-727	Sequence 727, App
72	56	59.6	381	5	US-10-784-004-1087	Sequence 1087, Ap
73	56	59.6	381	6	US-11-185-859-6	Sequence 6, Appli
74	56	59.6	385	5	US-10-784-004-407	Sequence 407, App
75	56	59.6	385	5	US-10-784-004-940	Sequence 940, App
76	56	59.6	385	6	US-11-096-568A-28232	Sequence 28232, A
77	56	59.6	2062	4	US-10-052-648A-52	Sequence 52, Appl
78	55.5	59.0	145	6	US-11-096-568A-29065	Sequence 29065, A
79	55.5	59.0	207	6	US-11-096-568A-29064	Sequence 29064, A
80	55.5	59.0	931	4	US-10-170-385-39	Sequence 39, Appl
81	55.5	59.0	931	4	US-10-408-765A-1585	Sequence 1585, Ap
82	55	58.5	10	4	US-10-018-103A-14	Sequence 14, Appl
83	55	58.5	10	4	US-10-131-909A-14	Sequence 14, Appl
84	55	58.5	10	4	US-10-104-307-18	Sequence 18, Appl
85	55	58.5	165	6	US-11-096-568A-11373	Sequence 11373, A
86	55	58.5	227	6	US-11-096-568A-11372	Sequence 11372, A
87	55	58.5	233	6	US-11-096-568A-11371	Sequence 11371, A
88	54.5	58.0	109	5	US-10-637-313-8	Sequence 8, Appli
89	54.5	58.0	109	5	US-10-637-313-48	Sequence 48, Appl

90	54.5	58.0	125	5	US-10-507-734-26	Sequence 26, Appl
91	54.5	58.0	243	5	US-10-637-313-12	Sequence 12, Appl
92	54.5	58.0	243	5	US-10-637-313-50	Sequence 50, Appl
93	54.5	58.0	305	5	US-10-450-763-51459	Sequence 51459, A
94	54.5	58.0	363	4	US-10-094-749-1983	Sequence 1983, Ap
95	54.5	58.0	415	4	US-10-162-335-76	Sequence 76, Appl
96	54.5	58.0	415	5	US-10-637-313-26	Sequence 26, Appl
97	54.5	58.0	415	6	US-11-051-724-76	Sequence 76, Appl
98	54.5	58.0	579	5	US-10-893-315-101	Sequence 101, App
99	54.5	58.0	579	5	US-10-893-315-105	Sequence 105, App
100	54.5	58.0	615	4	US-10-162-335-72	Sequence 72, Appl

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 9.35185 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-2
Perfect score: 94
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	74.5	16	7	US-11-254-805-49	Sequence 49, Appl
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3	62	66.0	18	7	US-11-254-805-34	Sequence 34, Appl
4	62	66.0	18	7	US-11-320-468-34	Sequence 34, Appl
5	57	60.6	123	7	US-11-056-355B-70006	Sequence 70006, A
6	57	60.6	123	7	US-11-056-355B-87848	Sequence 87848, A
7	57	60.6	159	7	US-11-056-355B-70005	Sequence 70005, A
8	57	60.6	159	7	US-11-056-355B-87847	Sequence 87847, A
9	57	60.6	221	7	US-11-056-355B-70004	Sequence 70004, A
10	57	60.6	243	7	US-11-056-355B-87846	Sequence 87846, A
11	56	59.6	126	6	US-10-449-902-34397	Sequence 34397, A
12	56	59.6	359	7	US-11-056-355B-44655	Sequence 44655, A
13	56	59.6	359	7	US-11-056-355B-70457	Sequence 70457, A
14	56	59.6	375	7	US-11-056-355B-44654	Sequence 44654, A
15	56	59.6	375	7	US-11-056-355B-70456	Sequence 70456, A
16	56	59.6	381	6	US-10-505-928-73	Sequence 73, Appl
17	56	59.6	385	7	US-11-056-355B-70455	Sequence 70455, A
18	56	59.6	414	7	US-11-056-355B-44653	Sequence 44653, A
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22	55	58.5	165	7	US-11-056-355B-65052	Sequence 65052, A
23	55	58.5	220	6	US-10-449-902-48827	Sequence 48827, A
24	55	58.5	227	6	US-10-953-349-28540	Sequence 28540, A
25	55	58.5	227	7	US-11-056-355B-65051	Sequence 65051, A
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29	54.5	58.0	343	6	US-10-478-743B-4	Sequence 4, Appli
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31	54	57.4	16	7	US-11-254-805-18	Sequence 18, Appl
32	54	57.4	16	7	US-11-320-468-18	Sequence 18, Appl
33	54	57.4	119	7	US-11-056-355B-13846	Sequence 13846, A
34	54	57.4	142	7	US-11-056-355B-13845	Sequence 13845, A
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36	54	57.4	155	7	US-11-056-355B-13137	Sequence 13137, A
37	54	57.4	205	7	US-11-056-355B-13844	Sequence 13844, A
38	54	57.4	218	7	US-11-056-355B-13136	Sequence 13136, A
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43	52	55.3	118	7	US-11-056-355B-63699	Sequence 63699, A
44	52	55.3	118	7	US-11-056-355B-63776	Sequence 63776, A
45	52	55.3	159	7	US-11-056-355B-63698	Sequence 63698, A
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49	52	55.3	816	7	US-11-330-403-5498	Sequence 5498, Ap
50	51	54.3	155	6	US-10-953-349-29719	Sequence 29719, A
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53	50	53.2	16	7	US-11-254-805-30	Sequence 30, Appl
54	50	53.2	16	7	US-11-320-468-29	Sequence 29, Appl
55	50	53.2	16	7	US-11-320-468-30	Sequence 30, Appl
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59	50	53.2	448	6	US-10-953-349-5484	Sequence 5484, Ap
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61	49.5	52.7	402	6	US-10-953-349-20170	Sequence 20170, A
62	49	52.1	114	7	US-11-056-355B-15089	Sequence 15089, A
63	49	52.1	139	7	US-11-056-355B-15088	Sequence 15088, A
64	49	52.1	884	7	US-11-105-233-58	Sequence 58, Appl
65	48	51.1	393	7	US-11-056-355B-47973	Sequence 47973, A
66	48	51.1	722	6	US-10-449-902-51079	Sequence 51079, A
67	48	51.1	885	7	US-11-293-697-3459	Sequence 3459, Ap
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71	47	50.0	266	6	US-10-449-902-33546	Sequence 33546, A
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73	47	50.0	281	7	US-11-056-355B-73385	Sequence 73385, A
74	47	50.0	293	7	US-11-056-355B-22617	Sequence 22617, A
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77	47	50.0	317	7	US-11-056-355B-41939	Sequence 41939, A
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81	47	50.0	354	7	US-11-056-355B-41938	Sequence 41938, A
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83	47	50.0	354	7	US-11-056-355B-110778	Sequence 110778,
84	47	50.0	390	7	US-11-056-355B-99538	Sequence 99538, A
85	47	50.0	390	7	US-11-056-355B-110777	Sequence 110777,
86	47	50.0	391	7	US-11-056-355B-41937	Sequence 41937, A
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88	46	48.9	16	7	US-11-320-468-22	Sequence 22, Appl
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90	46	48.9	197	6	US-10-449-902-49648	Sequence 49648, A
91	46	48.9	319	7	US-11-056-355B-36981	Sequence 36981, A
92	46	48.9	319	7	US-11-056-355B-101817	Sequence 101817,
93	46	48.9	319	7	US-11-056-355B-113056	Sequence 113056,
94	46	48.9	368	7	US-11-056-355B-36980	Sequence 36980, A
95	46	48.9	368	7	US-11-056-355B-101816	Sequence 101816,
96	46	48.9	368	7	US-11-056-355B-113055	Sequence 113055,
97	46	48.9	407	7	US-11-056-355B-106330	Sequence 106330,
98	46	48.9	407	7	US-11-056-355B-117569	Sequence 117569,
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GenCore version 5.1.9

OM protein - protein search, using sw model

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66.887 Million cell updates/sec

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Perfect score: 120
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	80	66.7	1199	2	US-09-709-979-4	Sequence 4, Appli
4	80	66.7	1199	2	US-10-147-268-4	Sequence 4, Appli
5	78	65.0	18	1	US-08-346-849-64	Sequence 64, Appl
6	78	65.0	18	1	US-08-293-284A-64	Sequence 64, Appl
7	78	65.0	18	2	US-08-898-300-64	Sequence 64, Appl
8	78	65.0	18	2	US-08-824-513-64	Sequence 64, Appl
9	78	65.0	313	2	US-08-686-528A-3	Sequence 3, Appli
10	78	65.0	313	2	US-09-456-287-3	Sequence 3, Appli
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16	66	55.0	400	2	US-09-543-681A-6151	Sequence 6151, Ap
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19	62	51.7	16	1	US-08-293-284A-49	Sequence 49, Appl
20	62	51.7	16	2	US-08-898-300-49	Sequence 49, Appl
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34	61.5	51.2	579	2	US-09-949-002-481	Sequence 481, App
35	61.5	51.2	615	3	US-10-162-335-72	Sequence 72, Appl
36	61.5	51.2	644	3	US-10-162-335-74	Sequence 74, Appl
37	61.5	51.2	644	3	US-10-162-335-84	Sequence 84, Appl
38	61.5	51.2	663	2	US-09-949-016-6046	Sequence 6046, Ap
39	61.5	51.2	673	2	US-09-949-016-7834	Sequence 7834, Ap
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46	61	50.8	297	2	US-09-248-796A-22393	Sequence 22393, A
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48	61	50.8	726	2	US-09-126-980-2	Sequence 2, Appli
49	61	50.8	726	2	US-09-476-482-2	Sequence 2, Appli
50	61	50.8	726	2	US-09-517-605-6	Sequence 6, Appli
51	61	50.8	765	1	US-08-663-112-2	Sequence 2, Appli
52	61	50.8	765	2	US-09-538-092-906	Sequence 906, App
53	61	50.8	765	2	US-09-882-274-2	Sequence 2, Appli
54	60.5	50.4	117	2	US-09-513-999C-5282	Sequence 5282, Ap
55	60.5	50.4	363	2	US-10-094-749-1983	Sequence 1983, Ap
56	60.5	50.4	1402	2	US-09-248-796A-14503	Sequence 14503, A
57	60	50.0	130	2	US-10-104-047-3570	Sequence 3570, Ap
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59	60	50.0	399	2	US-09-506-066E-10	Sequence 10, Appl
60	60	50.0	1284	2	US-10-296-144-5	Sequence 5, Appli
61	59	49.2	297	2	US-09-489-039A-12802	Sequence 12802, A
62	59	49.2	1664	1	US-08-642-846-2	Sequence 2, Appli
63	59	49.2	1664	2	US-09-264-604-2	Sequence 2, Appli
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65	59	49.2	1664	6	US-09-599-652-2	Sequence 2, Appli
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77	58	48.3	367	2	US-09-540-236-2996	Sequence 2996, Ap
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79	57	47.5	10	2	US-10-104-307-18	Sequence 18, Appl
80	57	47.5	274	2	US-09-711-164-369	Sequence 369, App
81	57	47.5	274	2	US-09-711-164-407	Sequence 407, App
82	57	47.5	344	2	US-09-134-001C-3524	Sequence 3524, Ap
83	57	47.5	353	2	US-09-270-767-32624	Sequence 32624, A
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86	56.5	47.1	1716	2	US-09-949-016-11331	Sequence 11331, A
87	56	46.7	110	2	US-09-513-999C-7836	Sequence 7836, Ap
88	56	46.7	148	2	US-09-461-325-453	Sequence 453, App

89	56	46.7	148	2	US-10-012-542-453	Sequence 453, App
90	56	46.7	148	2	US-10-115-123-453	Sequence 453, App
91	56	46.7	261	2	US-09-602-565-34	Sequence 34, Appl
92	56	46.7	363	2	US-09-328-352-4930	Sequence 4930, Ap
93	56	46.7	381	2	US-09-919-497-96	Sequence 96, Appl
94	56	46.7	533	2	US-09-252-991A-23560	Sequence 23560, A
95	56	46.7	618	2	US-09-248-796A-14560	Sequence 14560, A
96	56	46.7	1097	3	US-08-951-188A-4	Sequence 4, Appli
97	55.5	46.2	726	3	US-08-951-188A-50	Sequence 50, Appl
98	55	45.8	120	2	US-09-327-750F-37	Sequence 37, Appl
99	55	45.8	120	2	US-09-327-750F-38	Sequence 38, Appl
100	55	45.8	203	2	US-09-252-991A-26395	Sequence 26395, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 81.5123 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-3
Perfect score: 120
Sequence: 1 KHKHKHKHKGKHKHKHKHK 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
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2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	120	100.0	19	4	US-10-018-103A-3	Sequence 3, Appli
2	120	100.0	19	4	US-10-131-909A-3	Sequence 3, Appli
3	120	100.0	19	4	US-10-136-187-45	Sequence 45, Appl
4	120	100.0	19	5	US-10-850-873-45	Sequence 45, Appl
5	120	100.0	21	4	US-10-018-103A-9	Sequence 9, Appli
6	120	100.0	21	4	US-10-018-103A-16	Sequence 16, Appl
7	120	100.0	21	4	US-10-131-909A-9	Sequence 9, Appli
8	120	100.0	21	4	US-10-131-909A-16	Sequence 16, Appl
9	120	100.0	29	4	US-10-018-103A-4	Sequence 4, Appli
10	120	100.0	29	4	US-10-131-909A-4	Sequence 4, Appli
11	99	82.5	29	4	US-10-018-103A-7	Sequence 7, Appli
12	99	82.5	29	4	US-10-131-909A-7	Sequence 7, Appli
13	94	78.3	15	4	US-10-018-103A-2	Sequence 2, Appli
14	94	78.3	15	4	US-10-131-909A-2	Sequence 2, Appli
15	90	75.0	19	4	US-10-018-103A-13	Sequence 13, Appl
16	90	75.0	19	4	US-10-131-909A-13	Sequence 13, Appl
17	89	74.2	980	4	US-10-369-493-1406	Sequence 1406, Ap
18	89	74.2	980	4	US-10-451-467A-32	Sequence 32, Appl
19	84.5	70.4	1007	4	US-10-211-133-7	Sequence 7, Appli
20	84.5	70.4	1043	4	US-10-097-340-258	Sequence 258, App
21	84.5	70.4	1043	6	US-11-050-926-258	Sequence 258, App
22	81	67.5	13	4	US-10-018-103A-1	Sequence 1, Appli

23	81	67.5	13	4	US-10-131-909A-1	Sequence 1, Appli
24	80	66.7	335	4	US-10-398-186-4	Sequence 4, Appli
25	80	66.7	366	4	US-10-406-686A-76	Sequence 76, Appl
26	80	66.7	1199	4	US-10-147-268-4	Sequence 4, Appli
27	80	66.7	1199	4	US-10-338-279-4	Sequence 4, Appli
28	80	66.7	1199	4	US-10-408-765A-2020	Sequence 2020, Ap
29	80	66.7	1199	5	US-10-756-149-5165	Sequence 5165, Ap
30	79.5	66.2	20	4	US-10-018-103A-6	Sequence 6, Appli
31	79.5	66.2	20	4	US-10-131-909A-6	Sequence 6, Appli
32	78	65.0	16	3	US-09-778-200-27	Sequence 27, Appl
33	78	65.0	16	4	US-10-192-832-30	Sequence 30, Appl
34	78	65.0	16	5	US-10-431-000B-25	Sequence 25, Appl
35	78	65.0	16	5	US-10-877-068-27	Sequence 27, Appl
36	78	65.0	16	5	US-10-968-790-27	Sequence 27, Appl
37	78	65.0	18	4	US-10-390-472-64	Sequence 64, Appl
38	75	62.5	17	4	US-10-131-909A-17	Sequence 17, Appl
39	74.5	62.1	639	6	US-11-097-143-33207	Sequence 33207, A
40	72	60.0	337	4	US-10-270-333-96	Sequence 96, Appl
41	72	60.0	337	6	US-11-097-143-17679	Sequence 17679, A
42	71	59.2	467	5	US-10-739-930-10473	Sequence 10473, A
43	70	58.3	19	4	US-10-018-103A-11	Sequence 11, Appl
44	70	58.3	19	4	US-10-131-909A-11	Sequence 11, Appl
45	70	58.3	1219	6	US-11-097-143-14646	Sequence 14646, A
46	69	57.5	428	4	US-10-437-963-199613	Sequence 199613,
47	69	57.5	1291	4	US-10-312-352-32	Sequence 32, Appl
48	68	56.7	75	4	US-10-424-599-167493	Sequence 167493,
49	68	56.7	165	6	US-11-096-568A-11373	Sequence 11373, A
50	68	56.7	227	6	US-11-096-568A-11372	Sequence 11372, A
51	68	56.7	233	6	US-11-096-568A-11371	Sequence 11371, A
52	67.5	56.2	20	4	US-10-018-103A-5	Sequence 5, Appli
53	67.5	56.2	20	4	US-10-131-909A-5	Sequence 5, Appli
54	67	55.8	217	6	US-11-097-143-5385	Sequence 5385, Ap
55	67	55.8	429	4	US-10-282-122A-52569	Sequence 52569, A
56	66	55.0	440	4	US-10-425-115-199466	Sequence 199466,
57	66	55.0	1266	5	US-10-723-860-4398	Sequence 4398, Ap
58	66	55.0	1281	4	US-10-363-616-334	Sequence 334, App
59	65.5	54.6	119	6	US-11-096-568A-24129	Sequence 24129, A
60	65.5	54.6	142	6	US-11-096-568A-24128	Sequence 24128, A
61	65.5	54.6	201	4	US-10-425-114-70425	Sequence 70425, A
62	65.5	54.6	205	4	US-10-425-115-357812	Sequence 357812,
63	65.5	54.6	205	6	US-11-096-568A-24127	Sequence 24127, A
64	65.5	54.6	216	4	US-10-425-114-68080	Sequence 68080, A
65	65	54.2	243	3	US-09-867-550-678	Sequence 678, App
66	65	54.2	287	4	US-10-282-122A-59708	Sequence 59708, A
67	65	54.2	291	4	US-10-425-114-60385	Sequence 60385, A
68	65	54.2	315	4	US-10-425-114-49525	Sequence 49525, A
69	65	54.2	320	4	US-10-425-115-353923	Sequence 353923,
70	65	54.2	446	4	US-10-424-599-265245	Sequence 265245,
71	65	54.2	1046	6	US-11-097-143-27876	Sequence 27876, A
72	65	54.2	1064	6	US-11-097-143-3996	Sequence 3996, Ap
73	64	53.3	574	4	US-10-156-761-14106	Sequence 14106, A
74	63.5	52.9	964	6	US-11-097-143-14541	Sequence 14541, A
75	63	52.5	11	5	US-10-857-435A-31	Sequence 31, Appl
76	63	52.5	68	4	US-10-425-115-343636	Sequence 343636,
77	63	52.5	123	6	US-11-096-568A-27903	Sequence 27903, A
78	63	52.5	143	4	US-10-424-599-254661	Sequence 254661,
79	63	52.5	144	6	US-11-096-568A-19656	Sequence 19656, A
80	63	52.5	155	6	US-11-096-568A-19655	Sequence 19655, A
81	63	52.5	159	6	US-11-096-568A-27902	Sequence 27902, A
82	63	52.5	217	4	US-10-425-115-218015	Sequence 218015,
83	63	52.5	218	4	US-10-425-114-64096	Sequence 64096, A
84	63	52.5	218	4	US-10-425-115-313121	Sequence 313121,
85	63	52.5	218	6	US-11-096-568A-19654	Sequence 19654, A
86	63	52.5	221	6	US-11-096-568A-27901	Sequence 27901, A
87	63	52.5	260	6	US-11-097-143-11829	Sequence 11829, A
88	63	52.5	359	6	US-11-096-568A-28234	Sequence 28234, A
89	63	52.5	375	6	US-11-096-568A-28233	Sequence 28233, A

90	63	52.5	385	5	US-10-784-004-407	Sequence 407, App
91	63	52.5	385	5	US-10-784-004-940	Sequence 940, App
92	63	52.5	385	6	US-11-096-568A-28232	Sequence 28232, A
93	63	52.5	395	4	US-10-424-599-254664	Sequence 254664,
94	63	52.5	408	4	US-10-377-636-2	Sequence 2, Appli
95	63	52.5	899	4	US-10-437-963-122313	Sequence 122313,
96	62.5	52.1	172	4	US-10-437-963-143267	Sequence 143267,
97	62.5	52.1	526	4	US-10-437-963-143265	Sequence 143265,
98	62.5	52.1	931	4	US-10-170-385-39	Sequence 39, Appl
99	62.5	52.1	931	4	US-10-408-765A-1585	Sequence 1585, Ap
100	62	51.7	16	4	US-10-390-472-49	Sequence 49, Appl

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 11.8457 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-3
Perfect score: 120
Sequence: 1 KHKHKHKHKGKHKHKHKHK 19

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	78	65.0	16	7	US-11-254-805-49	Sequence 49, Appl
2	78	65.0	16	7	US-11-320-468-49	Sequence 49, Appl
3	78	65.0	18	7	US-11-254-805-34	Sequence 34, Appl
4	78	65.0	18	7	US-11-320-468-34	Sequence 34, Appl
5	68	56.7	165	6	US-10-953-349-28541	Sequence 28541, A
6	68	56.7	165	7	US-11-056-355B-65052	Sequence 65052, A
7	68	56.7	227	6	US-10-953-349-28540	Sequence 28540, A
8	68	56.7	227	7	US-11-056-355B-65051	Sequence 65051, A
9	68	56.7	233	6	US-10-953-349-28539	Sequence 28539, A
10	68	56.7	233	7	US-11-056-355B-65050	Sequence 65050, A
11	67	55.8	1135	6	US-10-449-902-41295	Sequence 41295, A
12	66	55.0	220	6	US-10-449-902-48827	Sequence 48827, A
13	65.5	54.6	119	7	US-11-056-355B-13846	Sequence 13846, A
14	65.5	54.6	142	7	US-11-056-355B-13845	Sequence 13845, A
15	65.5	54.6	205	7	US-11-056-355B-13844	Sequence 13844, A
16	64	53.3	299	6	US-10-953-349-5486	Sequence 5486, Ap
17	64	53.3	300	6	US-10-953-349-5485	Sequence 5485, Ap
18	64	53.3	448	6	US-10-953-349-5484	Sequence 5484, Ap
19	63	52.5	123	7	US-11-056-355B-70006	Sequence 70006, A
20	63	52.5	123	7	US-11-056-355B-87848	Sequence 87848, A

21	63	52.5	144	7	US-11-056-355B-13138	Sequence 13138, A
22	63	52.5	155	7	US-11-056-355B-13137	Sequence 13137, A
23	63	52.5	159	7	US-11-056-355B-70005	Sequence 70005, A
24	63	52.5	159	7	US-11-056-355B-87847	Sequence 87847, A
25	63	52.5	218	7	US-11-056-355B-13136	Sequence 13136, A
26	63	52.5	220	6	US-10-449-902-46772	Sequence 46772, A
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28	63	52.5	243	7	US-11-056-355B-87846	Sequence 87846, A
29	63	52.5	359	7	US-11-056-355B-44655	Sequence 44655, A
30	63	52.5	359	7	US-11-056-355B-70457	Sequence 70457, A
31	63	52.5	375	7	US-11-056-355B-44654	Sequence 44654, A
32	63	52.5	375	7	US-11-056-355B-70456	Sequence 70456, A
33	63	52.5	385	7	US-11-056-355B-70455	Sequence 70455, A
34	63	52.5	414	7	US-11-056-355B-44653	Sequence 44653, A
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36	62	51.7	16	7	US-11-320-468-18	Sequence 18, Appl
37	62	51.7	201	7	US-11-293-697-3199	Sequence 3199, Ap
38	61.5	51.2	255	7	US-11-343-003-1	Sequence 1, Appli
39	61	50.8	266	6	US-10-449-902-33546	Sequence 33546, A
40	60.5	50.4	145	7	US-11-056-355B-71462	Sequence 71462, A
41	60.5	50.4	207	7	US-11-056-355B-71461	Sequence 71461, A
42	60.5	50.4	343	6	US-10-478-743B-4	Sequence 4, Appli
43	60.5	50.4	382	6	US-10-478-743B-2	Sequence 2, Appli
44	60	50.0	807	7	US-11-330-403-4372	Sequence 4372, Ap
45	60	50.0	816	7	US-11-330-403-5498	Sequence 5498, Ap
46	59	49.2	405	7	US-11-056-355B-91568	Sequence 91568, A
47	59	49.2	405	7	US-11-056-355B-95324	Sequence 95324, A
48	59	49.2	407	7	US-11-056-355B-106330	Sequence 106330,
49	59	49.2	407	7	US-11-056-355B-117569	Sequence 117569,
50	59	49.2	496	7	US-11-056-355B-71816	Sequence 71816, A
51	59	49.2	548	7	US-11-056-355B-71815	Sequence 71815, A
52	59	49.2	630	7	US-11-056-355B-91567	Sequence 91567, A
53	59	49.2	630	7	US-11-056-355B-95323	Sequence 95323, A
54	59	49.2	684	7	US-11-056-355B-71814	Sequence 71814, A
55	59	49.2	740	7	US-11-251-208-230	Sequence 230, App
56	59	49.2	798	7	US-11-056-355B-91566	Sequence 91566, A
57	59	49.2	798	7	US-11-056-355B-95322	Sequence 95322, A
58	59	49.2	885	7	US-11-293-697-3459	Sequence 3459, Ap
59	58	48.3	16	7	US-11-254-805-29	Sequence 29, Appl
60	58	48.3	16	7	US-11-254-805-30	Sequence 30, Appl
61	58	48.3	16	7	US-11-320-468-29	Sequence 29, Appl
62	58	48.3	16	7	US-11-320-468-30	Sequence 30, Appl
63	57.5	47.9	375	6	US-10-953-349-20171	Sequence 20171, A
64	57.5	47.9	402	6	US-10-953-349-20170	Sequence 20170, A
65	57	47.5	102	6	US-10-953-349-12284	Sequence 12284, A
66	57	47.5	113	6	US-10-953-349-12282	Sequence 12282, A
67	57	47.5	513	6	US-10-449-902-35344	Sequence 35344, A
68	57	47.5	905	6	US-10-449-902-41605	Sequence 41605, A
69	56.5	47.1	884	7	US-11-105-233-58	Sequence 58, Appl
70	56	46.7	126	6	US-10-449-902-34397	Sequence 34397, A
71	56	46.7	197	6	US-10-449-902-49648	Sequence 49648, A
72	56	46.7	381	6	US-10-505-928-73	Sequence 73, Appl
73	56	46.7	722	6	US-10-449-902-51079	Sequence 51079, A
74	55	45.8	131	6	US-10-449-902-31944	Sequence 31944, A
75	55	45.8	226	7	US-11-293-697-4030	Sequence 4030, Ap
76	55	45.8	230	6	US-10-953-349-24618	Sequence 24618, A
77	55	45.8	393	7	US-11-056-355B-47973	Sequence 47973, A
78	55	45.8	3397	7	US-11-063-439-245	Sequence 245, App
79	55	45.8	3520	7	US-11-063-439-112	Sequence 112, App
80	55	45.8	3524	7	US-11-063-439-61	Sequence 61, Appl
81	55	45.8	3544	7	US-11-063-439-19	Sequence 19, Appl
82	55	45.8	3544	7	US-11-063-439-158	Sequence 158, App
83	55	45.8	3578	7	US-11-063-439-74	Sequence 74, Appl
84	54.5	45.4	285	6	US-10-449-902-45169	Sequence 45169, A
85	54	45.0	16	7	US-11-254-805-22	Sequence 22, Appl
86	54	45.0	16	7	US-11-320-468-22	Sequence 22, Appl
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88	54	45.0	202	6	US-10-953-349-30314	Sequence 30314, A
89	54	45.0	323	7	US-11-056-355B-82708	Sequence 82708, A
90	54	45.0	368	7	US-11-056-355B-82707	Sequence 82707, A
91	54	45.0	378	7	US-11-056-355B-82706	Sequence 82706, A
92	54	45.0	498	6	US-10-449-902-36716	Sequence 36716, A
93	54	45.0	498	6	US-10-449-902-48560	Sequence 48560, A
94	54	45.0	498	6	US-10-449-902-55170	Sequence 55170, A
95	54	45.0	944	6	US-10-449-902-41232	Sequence 41232, A
96	54	45.0	3482	7	US-11-063-439-48	Sequence 48, Appl
97	54	45.0	3496	7	US-11-063-439-230	Sequence 230, App
98	54	45.0	3517	7	US-11-063-439-8	Sequence 8, Appli
99	54	45.0	3711	7	US-11-063-439-261	Sequence 261, App
100	53.5	44.6	225	6	US-10-449-902-38885	Sequence 38885, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 37.9506 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-4
Perfect score: 183
Sequence: 1 KHKHKHKHKGKHKHKHKHKGKHKHKHKHK 29

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	114	62.3	313	2	US-08-686-528A-3	Sequence 3, Appli
2	114	62.3	313	2	US-09-456-287-3	Sequence 3, Appli
3	114	62.3	337	2	US-08-686-528A-2	Sequence 2, Appli
4	114	62.3	337	2	US-09-456-287-2	Sequence 2, Appli
5	104.5	57.1	1199	2	US-09-208-742-2	Sequence 2, Appli
6	104.5	57.1	1199	2	US-09-332-295-4	Sequence 4, Appli
7	104.5	57.1	1199	2	US-09-709-979-4	Sequence 4, Appli
8	104.5	57.1	1199	2	US-10-147-268-4	Sequence 4, Appli
9	92.5	50.5	224	2	US-09-902-540-12716	Sequence 12716, A
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11	86	47.0	297	2	US-09-489-039A-12802	Sequence 12802, A
12	84	45.9	726	2	US-09-126-980-2	Sequence 2, Appli
13	84	45.9	726	2	US-09-476-482-2	Sequence 2, Appli
14	84	45.9	726	2	US-09-517-605-6	Sequence 6, Appli
15	83.5	45.6	213	2	US-09-248-796A-16185	Sequence 16185, A
16	83.5	45.6	300	2	US-09-395-689-1	Sequence 1, Appli
17	83.5	45.6	765	1	US-08-663-112-2	Sequence 2, Appli
18	83.5	45.6	765	2	US-09-538-092-906	Sequence 906, App
19	83.5	45.6	765	2	US-09-882-274-2	Sequence 2, Appli
20	80	43.7	94	2	US-09-612-126-10	Sequence 10, Appl
21	80	43.7	179	2	US-09-612-126-11	Sequence 11, Appl

22	80	43.7	186	2	US-09-612-126-8	Sequence 8, Appli
23	80	43.7	255	2	US-09-612-126-1	Sequence 1, Appli
24	80	43.7	255	2	US-10-129-946-1	Sequence 1, Appli
25	80	43.7	256	2	US-09-248-796A-20184	Sequence 20184, A
26	80	43.7	415	3	US-10-162-335-76	Sequence 76, Appl
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28	80	43.7	579	2	US-09-949-002-481	Sequence 481, App
29	80	43.7	615	3	US-10-162-335-72	Sequence 72, Appl
30	80	43.7	644	3	US-10-162-335-74	Sequence 74, Appl
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32	79.5	43.4	28	2	US-09-437-912-6	Sequence 6, Appli
33	79.5	43.4	47	2	US-09-612-126-4	Sequence 4, Appli
34	79.5	43.4	62	2	US-09-612-126-7	Sequence 7, Appli
35	79.5	43.4	83	2	US-09-612-126-6	Sequence 6, Appli
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37	78	42.6	18	1	US-08-346-849-64	Sequence 64, Appl
38	78	42.6	18	1	US-08-293-284A-64	Sequence 64, Appl
39	78	42.6	18	2	US-08-898-300-64	Sequence 64, Appl
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46	76	41.5	261	2	US-09-602-565-34	Sequence 34, Appl
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48	75	41.0	218	2	US-09-252-991A-25291	Sequence 25291, A
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52	74.5	40.7	729	3	US-08-951-188A-47	Sequence 47, Appl
53	74.5	40.7	1213	1	US-08-188-582-20	Sequence 20, Appl
54	74.5	40.7	1213	1	US-08-646-715-20	Sequence 20, Appl
55	74	40.4	130	2	US-10-104-047-3570	Sequence 3570, Ap
56	74	40.4	425	2	US-09-270-767-45380	Sequence 45380, A
57	72.5	39.6	1664	1	US-08-642-846-2	Sequence 2, Appli
58	72.5	39.6	1664	2	US-09-264-604-2	Sequence 2, Appli
59	72.5	39.6	1664	2	US-09-978-343-2	Sequence 2, Appli
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61	72	39.3	163	2	US-09-902-540-13395	Sequence 13395, A
62	72	39.3	363	2	US-09-328-352-4930	Sequence 4930, Ap
63	72	39.3	726	3	US-08-951-188A-50	Sequence 50, Appl
64	71	38.8	30	2	US-10-021-818A-68	Sequence 68, Appl
65	71	38.8	40	2	US-09-039-780A-6	Sequence 6, Appli
66	71	38.8	83	2	US-09-420-592A-10	Sequence 10, Appl
67	71	38.8	83	2	US-09-985-442-10	Sequence 10, Appl
68	71	38.8	83	2	US-09-983-580-10	Sequence 10, Appl
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72	70.5	38.5	274	2	US-09-711-164-407	Sequence 407, App
73	70.5	38.5	474	2	US-09-461-474-10	Sequence 10, Appl
74	70	38.3	349	2	US-09-461-474-12	Sequence 12, Appl
75	70	38.3	381	2	US-09-919-497-96	Sequence 96, Appl
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77	69	37.7	82	2	US-09-248-796A-21887	Sequence 21887, A
78	68	37.2	74	2	US-09-673-395A-181	Sequence 181, App
79	68	37.2	117	2	US-09-513-999C-5282	Sequence 5282, Ap
80	68	37.2	219	2	US-09-270-767-57647	Sequence 57647, A
81	68	37.2	363	2	US-10-094-749-1983	Sequence 1983, Ap
82	68	37.2	408	2	US-09-270-767-42361	Sequence 42361, A
83	68	37.2	491	2	US-09-248-796A-19540	Sequence 19540, A
84	67.5	36.9	971	2	US-09-248-796A-19531	Sequence 19531, A
85	67	36.6	63	2	US-09-513-999C-5320	Sequence 5320, Ap
86	67	36.6	77	2	US-09-248-796A-22718	Sequence 22718, A
87	67	36.6	221	2	US-09-792-024-111	Sequence 111, App
88	67	36.6	729	2	US-09-949-016-6686	Sequence 6686, Ap

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90	66	36.1	28	2	US-10-021-818A-67	Sequence 67, Appl
91	66	36.1	525	2	US-09-976-594-64	Sequence 64, Appl
92	66	36.1	525	2	US-09-919-039-62	Sequence 62, Appl
93	66	36.1	565	2	US-09-270-767-41555	Sequence 41555, A
94	65.5	35.8	125	2	US-09-248-796A-24231	Sequence 24231, A
95	65.5	35.8	360	2	US-09-270-767-44273	Sequence 44273, A
96	65	35.5	203	2	US-09-252-991A-26395	Sequence 26395, A
97	65	35.5	297	2	US-09-248-796A-22393	Sequence 22393, A
98	65	35.5	439	2	US-09-248-796A-15955	Sequence 15955, A
99	65	35.5	1462	2	US-09-538-092-1043	Sequence 1043, Ap
100	65	35.5	1462	2	US-09-949-002-381	Sequence 381, App

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OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 124.414 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-4
Perfect score: 183
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	183	100.0	29	4	US-10-131-909A-4	Sequence 4, Appli
3	120	65.6	19	4	US-10-018-103A-3	Sequence 3, Appli
4	120	65.6	19	4	US-10-131-909A-3	Sequence 3, Appli
5	120	65.6	19	4	US-10-136-187-45	Sequence 45, Appl
6	120	65.6	19	5	US-10-850-873-45	Sequence 45, Appl
7	120	65.6	21	4	US-10-018-103A-9	Sequence 9, Appli
8	120	65.6	21	4	US-10-018-103A-16	Sequence 16, Appl
9	120	65.6	21	4	US-10-131-909A-9	Sequence 9, Appli
10	120	65.6	21	4	US-10-131-909A-16	Sequence 16, Appl
11	117	63.9	29	4	US-10-018-103A-7	Sequence 7, Appli
12	117	63.9	29	4	US-10-131-909A-7	Sequence 7, Appli
13	115	62.8	335	4	US-10-398-186-4	Sequence 4, Appli
14	113	61.7	366	4	US-10-406-686A-76	Sequence 76, Appl
15	110.5	60.4	1007	4	US-10-211-133-7	Sequence 7, Appli
16	110.5	60.4	1043	4	US-10-097-340-258	Sequence 258, App
17	110.5	60.4	1043	6	US-11-050-926-258	Sequence 258, App
18	104.5	57.1	1199	4	US-10-147-268-4	Sequence 4, Appli
19	104.5	57.1	1199	4	US-10-338-279-4	Sequence 4, Appli
20	104.5	57.1	1199	4	US-10-408-765A-2020	Sequence 2020, Ap
21	104.5	57.1	1199	5	US-10-756-149-5165	Sequence 5165, Ap
22	96	52.5	980	4	US-10-369-493-1406	Sequence 1406, Ap

23	96	52.5	980	4	US-10-451-467A-32	Sequence 32, Appl
24	94	51.4	15	4	US-10-018-103A-2	Sequence 2, Appli
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26	94	51.4	287	4	US-10-282-122A-59708	Sequence 59708, A
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31	91	49.7	375	6	US-11-096-568A-28233	Sequence 28233, A
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38	87	47.5	227	6	US-11-096-568A-11372	Sequence 11372, A
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42	86	47.0	408	4	US-10-377-636-2	Sequence 2, Appli
43	86	47.0	885	4	US-10-108-260A-3459	Sequence 3459, Ap
44	86	47.0	931	4	US-10-170-385-39	Sequence 39, Appl
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52	84	45.9	78	5	US-10-979-183-186	Sequence 186, App
53	84	45.9	82	3	US-09-864-761-33313	Sequence 33313, A
54	84	45.9	245	5	US-10-450-763-58378	Sequence 58378, A
55	84	45.9	440	4	US-10-425-115-199466	Sequence 199466,
56	84	45.9	446	4	US-10-424-599-265245	Sequence 265245,
57	84	45.9	725	5	US-10-732-923-2694	Sequence 2694, Ap
58	84	45.9	726	3	US-09-932-257A-19	Sequence 19, Appl
59	84	45.9	726	4	US-10-151-274-6	Sequence 6, Appli
60	84	45.9	726	5	US-10-732-923-2699	Sequence 2699, Ap
61	84	45.9	726	5	US-10-732-923-2700	Sequence 2700, Ap
62	84	45.9	726	5	US-10-756-149-5522	Sequence 5522, Ap
63	84	45.9	727	5	US-10-732-923-2697	Sequence 2697, Ap
64	84	45.9	727	5	US-10-732-923-2698	Sequence 2698, Ap
65	84	45.9	920	6	US-11-097-143-12861	Sequence 12861, A
66	84	45.9	1257	4	US-10-369-493-6761	Sequence 6761, Ap
67	84	45.9	1257	5	US-10-732-923-8684	Sequence 8684, Ap
68	84	45.9	1336	5	US-10-732-923-8683	Sequence 8683, Ap
69	83.5	45.6	520	5	US-10-741-849-7024	Sequence 7024, Ap
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71	83.5	45.6	765	4	US-10-408-765A-1149	Sequence 1149, Ap
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73	83.5	45.6	1046	6	US-11-097-143-27876	Sequence 27876, A
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85	83	45.4	749	6	US-11-097-143-23127	Sequence 23127, A
86	83	45.4	789	6	US-11-097-143-23004	Sequence 23004, A
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95	81.5	44.5	68	4	US-10-425-115-343636	Sequence 343636,
96	81.5	44.5	1219	6	US-11-097-143-14646	Sequence 14646, A
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OM protein - protein search, using sw model

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(without alignments)
105.932 Million cell updates/sec

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Perfect score: 183
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Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

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Post-processing: Minimum Match 0%
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Listing first 100 summaries

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SUMMARIES

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5	91	49.7	385	7	US-11-056-355B-70455	Sequence 70455, A
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34	80	43.7	3397	7	US-11-063-439-245	Sequence 245, App
35	79	43.2	123	7	US-11-056-355B-70006	Sequence 70006, A
36	79	43.2	123	7	US-11-056-355B-87848	Sequence 87848, A
37	79	43.2	159	7	US-11-056-355B-70005	Sequence 70005, A
38	79	43.2	159	7	US-11-056-355B-87847	Sequence 87847, A
39	79	43.2	221	7	US-11-056-355B-70004	Sequence 70004, A
40	79	43.2	243	7	US-11-056-355B-87846	Sequence 87846, A
41	78	42.6	16	7	US-11-254-805-49	Sequence 49, Appl
42	78	42.6	16	7	US-11-320-468-49	Sequence 49, Appl
43	78	42.6	18	7	US-11-254-805-34	Sequence 34, Appl
44	78	42.6	18	7	US-11-320-468-34	Sequence 34, Appl
45	78	42.6	496	7	US-11-056-355B-71816	Sequence 71816, A
46	78	42.6	548	7	US-11-056-355B-71815	Sequence 71815, A
47	78	42.6	684	7	US-11-056-355B-71814	Sequence 71814, A
48	78	42.6	3700	7	US-11-063-439-290	Sequence 290, App
49	77	42.1	145	7	US-11-056-355B-71462	Sequence 71462, A
50	77	42.1	207	7	US-11-056-355B-71461	Sequence 71461, A
51	73	39.9	266	6	US-10-449-902-33546	Sequence 33546, A
52	73	39.9	362	6	US-10-449-902-38565	Sequence 38565, A
53	73	39.9	513	6	US-10-449-902-35344	Sequence 35344, A
54	73	39.9	722	6	US-10-449-902-51079	Sequence 51079, A
55	72	39.3	226	7	US-11-293-697-4030	Sequence 4030, Ap
56	72	39.3	1135	6	US-10-449-902-41295	Sequence 41295, A
57	71	38.8	197	6	US-10-449-902-49648	Sequence 49648, A
58	70.5	38.5	418	6	US-10-449-902-53635	Sequence 53635, A
59	70	38.3	230	6	US-10-953-349-24618	Sequence 24618, A
60	70	38.3	381	6	US-10-505-928-73	Sequence 73, Appl
61	70	38.3	3520	7	US-11-063-439-112	Sequence 112, App
62	69	37.7	206	6	US-10-374-780A-490	Sequence 490, App
63	69	37.7	233	6	US-10-449-902-31878	Sequence 31878, A
64	69	37.7	233	6	US-10-449-902-51445	Sequence 51445, A
65	69	37.7	233	6	US-10-374-780A-488	Sequence 488, App
66	69	37.7	884	7	US-11-105-233-58	Sequence 58, Appl
67	68.5	37.4	905	6	US-10-449-902-41605	Sequence 41605, A
68	68	37.2	103	7	US-11-293-697-2921	Sequence 2921, Ap
69	68	37.2	274	6	US-10-953-349-21316	Sequence 21316, A
70	68	37.2	343	6	US-10-478-743B-4	Sequence 4, Appli
71	68	37.2	382	6	US-10-478-743B-2	Sequence 2, Appli
72	66.5	36.3	334	7	US-11-251-208-489	Sequence 489, App
73	66.5	36.3	368	6	US-10-953-349-29347	Sequence 29347, A
74	66.5	36.3	368	7	US-11-056-355B-65560	Sequence 65560, A
75	66.5	36.3	406	6	US-10-953-349-29346	Sequence 29346, A
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77	66.5	36.3	421	6	US-10-953-349-29345	Sequence 29345, A
78	66.5	36.3	421	7	US-11-056-355B-65558	Sequence 65558, A
79	66.5	36.3	498	6	US-10-449-902-36716	Sequence 36716, A
80	66.5	36.3	498	6	US-10-449-902-48560	Sequence 48560, A
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82	66	36.1	285	6	US-10-449-902-45169	Sequence 45169, A
83	65.5	35.8	3711	7	US-11-063-439-261	Sequence 261, App
84	65	35.5	3974	7	US-11-063-439-276	Sequence 276, App
85	64.5	35.2	396	6	US-10-449-902-36367	Sequence 36367, A
86	64	35.0	194	6	US-10-449-902-39011	Sequence 39011, A
87	64	35.0	330	7	US-11-056-355B-43644	Sequence 43644, A

88	64	35.0	330	7	US-11-056-355B-97859	Sequence 97859, A
89	64	35.0	330	7	US-11-056-355B-99438	Sequence 99438, A
90	64	35.0	330	7	US-11-056-355B-109098	Sequence 109098,
91	64	35.0	330	7	US-11-056-355B-110677	Sequence 110677,
92	64	35.0	344	7	US-11-056-355B-43643	Sequence 43643, A
93	64	35.0	344	7	US-11-056-355B-97858	Sequence 97858, A
94	64	35.0	344	7	US-11-056-355B-99437	Sequence 99437, A
95	64	35.0	344	7	US-11-056-355B-109097	Sequence 109097,
96	64	35.0	344	7	US-11-056-355B-110676	Sequence 110676,
97	64	35.0	398	7	US-11-056-355B-43642	Sequence 43642, A
98	64	35.0	398	7	US-11-056-355B-97857	Sequence 97857, A
99	64	35.0	398	7	US-11-056-355B-99436	Sequence 99436, A
100	64	35.0	398	7	US-11-056-355B-109096	Sequence 109096,

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 26.1728 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-5
Perfect score: 136
Sequence: 1 KHKHHKHHKHHKHHKHHKHK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	92	67.6	363	2	US-09-328-352-4930	Sequence 4930, Ap
2	90	66.2	427	2	US-09-506-066E-8	Sequence 8, Appli
3	89.5	65.8	425	2	US-09-270-767-45380	Sequence 45380, A
4	89	65.4	25	2	US-09-721-154-14	Sequence 14, Appl
5	89	65.4	203	2	US-09-270-767-35326	Sequence 35326, A
6	89	65.4	203	2	US-09-270-767-50543	Sequence 50543, A
7	89	65.4	399	2	US-09-506-066E-10	Sequence 10, Appl
8	86	63.2	16	2	US-10-104-307-17	Sequence 17, Appl
9	86	63.2	1284	2	US-10-296-144-5	Sequence 5, Appli
10	84	61.8	148	2	US-09-461-325-453	Sequence 453, App
11	84	61.8	148	2	US-10-012-542-453	Sequence 453, App
12	84	61.8	148	2	US-10-115-123-453	Sequence 453, App
13	83.5	61.4	353	2	US-09-270-767-32624	Sequence 32624, A
14	83.5	61.4	353	2	US-09-270-767-47841	Sequence 47841, A
15	83	61.0	362	2	US-09-248-796A-16633	Sequence 16633, A
16	82.5	60.7	1199	2	US-09-208-742-2	Sequence 2, Appli
17	82.5	60.7	1199	2	US-09-332-295-4	Sequence 4, Appli
18	82.5	60.7	1199	2	US-09-709-979-4	Sequence 4, Appli
19	82.5	60.7	1199	2	US-10-147-268-4	Sequence 4, Appli
20	82	60.3	79	2	US-09-248-796A-27876	Sequence 27876, A
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22	80	58.8	755	2	US-10-099-322-26	Sequence 26, Appl
23	80	58.8	755	2	US-10-099-322-102	Sequence 102, App
24	80	58.8	755	2	US-10-044-564-26	Sequence 26, Appl
25	80	58.8	755	2	US-10-044-564-102	Sequence 102, App
26	79.5	58.5	253	2	US-09-270-767-42427	Sequence 42427, A
27	79.5	58.5	763	1	US-08-677-862-2	Sequence 2, Appli
28	79.5	58.5	763	1	US-09-252-571-2	Sequence 2, Appli
29	79.5	58.5	763	2	US-09-434-065-2	Sequence 2, Appli
30	79.5	58.5	763	2	US-08-789-275-4	Sequence 4, Appli
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37	78	57.4	303	2	US-09-078-465-2	Sequence 2, Appli
38	78	57.4	303	2	US-09-940-673B-2	Sequence 2, Appli
39	78	57.4	303	5	PCT-US95-01882A-2	Sequence 2, Appli
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43	77.5	57.0	60	1	US-09-115-032-1	Sequence 1, Appli
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47	77	56.6	224	2	US-09-902-540-12716	Sequence 12716, A
48	76	55.9	115	2	US-09-461-325-160	Sequence 160, App
49	76	55.9	115	2	US-10-012-542-160	Sequence 160, App
50	76	55.9	115	2	US-10-115-123-160	Sequence 160, App
51	75.5	55.5	163	2	US-09-902-540-13395	Sequence 13395, A
52	75	55.1	274	2	US-09-711-164-369	Sequence 369, App
53	75	55.1	274	2	US-09-711-164-407	Sequence 407, App
54	75	55.1	355	2	US-09-248-796A-14612	Sequence 14612, A
55	74.5	54.8	434	2	US-09-252-991A-30855	Sequence 30855, A
56	74	54.4	115	2	US-09-991-181-95	Sequence 95, Appl
57	74	54.4	115	2	US-09-990-444-95	Sequence 95, Appl
58	74	54.4	115	2	US-09-997-333-95	Sequence 95, Appl
59	74	54.4	115	2	US-09-992-598-95	Sequence 95, Appl
60	74	54.4	115	2	US-09-989-735-95	Sequence 95, Appl
61	74	54.4	115	3	US-09-989-726-95	Sequence 95, Appl
62	74	54.4	115	3	US-09-997-514-95	Sequence 95, Appl
63	74	54.4	115	3	US-09-989-728-95	Sequence 95, Appl
64	74	54.4	115	3	US-09-997-349-95	Sequence 95, Appl
65	74	54.4	115	3	US-09-997-653-95	Sequence 95, Appl
66	74	54.4	115	3	US-09-989-293A-95	Sequence 95, Appl
67	74	54.4	125	2	US-09-248-796A-24231	Sequence 24231, A
68	74	54.4	297	2	US-09-489-039A-12802	Sequence 12802, A
69	74	54.4	485	2	US-09-949-016-6557	Sequence 6557, Ap
70	74	54.4	504	2	US-09-949-016-7783	Sequence 7783, Ap
71	74	54.4	633	2	US-08-557-006C-43	Sequence 43, Appl
72	74	54.4	633	2	US-09-538-092-212	Sequence 212, App
73	74	54.4	633	2	US-09-633-328B-3	Sequence 3, Appli
74	74	54.4	633	2	US-09-824-735-3	Sequence 3, Appli
75	74	54.4	633	2	US-09-487-558B-338	Sequence 338, App
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77	73.5	54.0	726	2	US-09-126-980-2	Sequence 2, Appli
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79	73.5	54.0	726	2	US-09-517-605-6	Sequence 6, Appli
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81	73	53.7	220	2	US-09-270-767-61056	Sequence 61056, A
82	73	53.7	467	2	US-09-657-013-69	Sequence 69, Appl
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85	73	53.7	749	2	US-10-099-322-103	Sequence 103, App
86	73	53.7	749	2	US-10-044-564-103	Sequence 103, App
87	73	53.7	752	2	US-10-099-322-101	Sequence 101, App
88	73	53.7	752	2	US-10-044-564-101	Sequence 101, App

89	73	53.7	923	2	US-09-270-767-45546	Sequence 45546, A
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93	72	52.9	302	1	US-08-203-532F-4	Sequence 4, Appli
94	72	52.9	302	2	US-08-950-860-16	Sequence 16, Appl
95	72	52.9	302	2	US-09-078-465-4	Sequence 4, Appli
96	72	52.9	302	2	US-09-940-673B-4	Sequence 4, Appli
97	72	52.9	302	5	PCT-US95-01882A-4	Sequence 4, Appli
98	72	52.9	313	2	US-08-686-528A-3	Sequence 3, Appli
99	72	52.9	313	2	US-09-456-287-3	Sequence 3, Appli
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GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 85.8025 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-5
Perfect score: 136
Sequence: 1 KHKHHKHHKHHKHHKHHKHK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	136	100.0	20	4	US-10-018-103A-5	Sequence 5, Appli
2	136	100.0	20	4	US-10-131-909A-5	Sequence 5, Appli
3	109	80.1	26	4	US-10-018-103A-8	Sequence 8, Appli
4	109	80.1	26	4	US-10-131-909A-8	Sequence 8, Appli
5	105	77.2	15	4	US-10-018-103A-15	Sequence 15, Appl
6	105	77.2	15	4	US-10-131-909A-15	Sequence 15, Appl
7	97	71.3	290	6	US-11-097-143-33561	Sequence 33561, A
8	94	69.1	227	5	US-10-450-763-44758	Sequence 44758, A
9	94	69.1	378	4	US-10-029-386-33892	Sequence 33892, A
10	94	69.1	1413	6	US-11-097-143-9363	Sequence 9363, Ap
11	94	69.1	1424	6	US-11-097-143-9354	Sequence 9354, Ap
12	93	68.4	49	3	US-09-864-761-37882	Sequence 37882, A
13	93	68.4	67	4	US-10-424-599-144585	Sequence 144585,
14	92	67.6	82	3	US-09-864-761-33313	Sequence 33313, A
15	92	67.6	134	5	US-10-450-763-35551	Sequence 35551, A
16	92	67.6	183	5	US-10-450-763-55696	Sequence 55696, A
17	92	67.6	245	5	US-10-450-763-58378	Sequence 58378, A
18	92	67.6	266	5	US-10-450-763-33853	Sequence 33853, A
19	91	66.9	84	5	US-10-487-078-47	Sequence 47, Appl
20	91	66.9	108	4	US-10-029-386-31185	Sequence 31185, A
21	91	66.9	156	5	US-10-450-763-35549	Sequence 35549, A
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32	90	66.2	93	4	US-10-315-515-46	Sequence 46, Appl
33	90	66.2	95	4	US-10-315-515-35	Sequence 35, Appl
34	90	66.2	96	4	US-10-315-515-34	Sequence 34, Appl
35	90	66.2	96	4	US-10-315-515-36	Sequence 36, Appl
36	90	66.2	96	4	US-10-315-515-37	Sequence 37, Appl
37	90	66.2	96	4	US-10-315-515-40	Sequence 40, Appl
38	90	66.2	96	4	US-10-315-515-41	Sequence 41, Appl
39	90	66.2	96	4	US-10-315-515-42	Sequence 42, Appl
40	90	66.2	96	4	US-10-315-515-45	Sequence 45, Appl
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42	90	66.2	105	4	US-10-315-515-43	Sequence 43, Appl
43	90	66.2	106	4	US-10-315-515-38	Sequence 38, Appl
44	90	66.2	108	4	US-10-437-963-203035	Sequence 203035,
45	90	66.2	124	5	US-10-450-763-43238	Sequence 43238, A
46	90	66.2	406	5	US-10-450-763-57609	Sequence 57609, A
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49	89	65.4	59	5	US-10-450-763-36244	Sequence 36244, A
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51	89	65.4	87	3	US-09-864-761-34744	Sequence 34744, A
52	89	65.4	95	5	US-10-450-763-33834	Sequence 33834, A
53	89	65.4	142	6	US-11-097-143-10002	Sequence 10002, A
54	89	65.4	233	5	US-10-450-763-50126	Sequence 50126, A
55	89	65.4	330	5	US-10-450-763-55690	Sequence 55690, A
56	89	65.4	461	3	US-09-764-868-765	Sequence 765, App
57	89	65.4	598	5	US-10-450-763-53954	Sequence 53954, A
58	89	65.4	989	6	US-11-097-143-20661	Sequence 20661, A
59	88.5	65.1	238	4	US-10-425-114-41573	Sequence 41573, A
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62	87.5	64.3	275	6	US-11-096-568A-15046	Sequence 15046, A
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65	86.5	63.6	75	4	US-10-424-599-167493	Sequence 167493,
66	86.5	63.6	94	5	US-10-450-763-38743	Sequence 38743, A
67	86.5	63.6	123	6	US-11-097-143-34446	Sequence 34446, A
68	86.5	63.6	503	6	US-11-097-143-9351	Sequence 9351, Ap
69	86	63.2	16	4	US-10-104-307-17	Sequence 17, Appl
70	86	63.2	29	4	US-10-029-386-30014	Sequence 30014, A
71	86	63.2	109	4	US-10-425-115-307018	Sequence 307018,
72	86	63.2	304	5	US-10-450-763-38771	Sequence 38771, A
73	86	63.2	1284	4	US-10-296-144-5	Sequence 5, Appli
74	86	63.2	1284	6	US-11-097-143-42399	Sequence 42399, A
75	86	63.2	1284	6	US-11-117-441-5	Sequence 5, Appli
76	85.5	62.9	140	4	US-10-389-566-825	Sequence 825, App
77	85	62.5	51	5	US-10-450-763-40872	Sequence 40872, A
78	85	62.5	172	5	US-10-450-763-49191	Sequence 49191, A
79	85	62.5	287	4	US-10-424-599-185725	Sequence 185725,
80	84.5	62.1	144	4	US-10-424-599-160290	Sequence 160290,
81	84	61.8	59	5	US-10-450-763-49190	Sequence 49190, A
82	84	61.8	139	4	US-10-425-115-193568	Sequence 193568,
83	84	61.8	148	4	US-10-012-542-453	Sequence 453, App
84	84	61.8	148	4	US-10-115-123-453	Sequence 453, App
85	84	61.8	148	4	US-10-800-834-453	Sequence 453, App
86	84	61.8	175	5	US-10-821-234-1074	Sequence 1074, Ap
87	84	61.8	176	4	US-10-106-698-5906	Sequence 5906, Ap
88	84	61.8	186	4	US-10-029-386-34005	Sequence 34005, A
89	84	61.8	580	6	US-11-097-143-35349	Sequence 35349, A

90	83.5	61.4	636	4	US-10-425-115-314599	Sequence 314599,
91	83.5	61.4	1054	6	US-11-097-143-8022	Sequence 8022, Ap
92	83	61.0	278	6	US-11-188-298-869	Sequence 869, App
93	83	61.0	283	6	US-11-188-298-1234	Sequence 1234, Ap
94	83	61.0	314	4	US-10-374-780A-1392	Sequence 1392, Ap
95	83	61.0	324	5	US-10-450-763-50868	Sequence 50868, A
96	83	61.0	523	4	US-10-017-161-1982	Sequence 1982, Ap
97	83	61.0	523	4	US-10-292-798-1630	Sequence 1630, Ap
98	83	61.0	576	4	US-10-425-115-344208	Sequence 344208,
99	82.5	60.7	204	5	US-10-450-763-38565	Sequence 38565, A
100	82.5	60.7	217	4	US-10-424-599-155301	Sequence 155301,

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 12.4691 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-5
Perfect score: 136
Sequence: 1 KHKHHKHHKHHKHHKHHKHK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	91	66.9	496	7	US-11-056-355B-71816	Sequence 71816, A
2	91	66.9	548	7	US-11-056-355B-71815	Sequence 71815, A
3	91	66.9	684	7	US-11-056-355B-71814	Sequence 71814, A
4	91	66.9	3397	7	US-11-063-439-245	Sequence 245, App
5	91	66.9	3520	7	US-11-063-439-112	Sequence 112, App
6	91	66.9	3524	7	US-11-063-439-61	Sequence 61, Appl
7	91	66.9	3544	7	US-11-063-439-19	Sequence 19, Appl
8	91	66.9	3544	7	US-11-063-439-158	Sequence 158, App
9	91	66.9	3578	7	US-11-063-439-74	Sequence 74, Appl
10	90	66.2	407	7	US-11-056-355B-106330	Sequence 106330,
11	90	66.2	407	7	US-11-056-355B-117569	Sequence 117569,
12	90	66.2	3482	7	US-11-063-439-48	Sequence 48, Appl
13	90	66.2	3496	7	US-11-063-439-230	Sequence 230, App
14	90	66.2	3517	7	US-11-063-439-8	Sequence 8, Appli
15	90	66.2	3711	7	US-11-063-439-261	Sequence 261, App
16	87.5	64.3	275	7	US-11-056-355B-5328	Sequence 5328, Ap
17	83	61.0	314	6	US-10-374-780A-1392	Sequence 1392, Ap
18	83	61.0	314	7	US-11-330-403-9293	Sequence 9293, Ap
19	83	61.0	393	7	US-11-056-355B-47973	Sequence 47973, A
20	82.5	60.7	359	7	US-11-056-355B-44655	Sequence 44655, A

21	82.5	60.7	359	7	US-11-056-355B-70457	Sequence 70457, A
22	82.5	60.7	375	7	US-11-056-355B-44654	Sequence 44654, A
23	82.5	60.7	375	7	US-11-056-355B-70456	Sequence 70456, A
24	82.5	60.7	385	7	US-11-056-355B-70455	Sequence 70455, A
25	82.5	60.7	405	7	US-11-056-355B-91568	Sequence 91568, A
26	82.5	60.7	405	7	US-11-056-355B-95324	Sequence 95324, A
27	82.5	60.7	414	7	US-11-056-355B-44653	Sequence 44653, A
28	82.5	60.7	630	7	US-11-056-355B-91567	Sequence 91567, A
29	82.5	60.7	630	7	US-11-056-355B-95323	Sequence 95323, A
30	82.5	60.7	798	7	US-11-056-355B-91566	Sequence 91566, A
31	82.5	60.7	798	7	US-11-056-355B-95322	Sequence 95322, A
32	82	60.3	498	6	US-10-449-902-36716	Sequence 36716, A
33	82	60.3	498	6	US-10-449-902-48560	Sequence 48560, A
34	82	60.3	498	6	US-10-449-902-55170	Sequence 55170, A
35	81	59.6	3661	7	US-11-063-439-277	Sequence 277, App
36	80	58.8	3700	7	US-11-063-439-290	Sequence 290, App
37	78	57.4	131	6	US-10-449-902-31944	Sequence 31944, A
38	78	57.4	303	6	US-10-784-513-2	Sequence 2, Appli
39	78	57.4	443	7	US-11-283-329-128	Sequence 128, App
40	78	57.4	626	7	US-11-283-329-124	Sequence 124, App
41	78	57.4	626	7	US-11-283-329-126	Sequence 126, App
42	78	57.4	637	7	US-11-283-329-130	Sequence 130, App
43	78	57.4	3579	7	US-11-063-439-259	Sequence 259, App
44	76	55.9	285	6	US-10-953-349-23543	Sequence 23543, A
45	76	55.9	285	7	US-11-056-355B-57718	Sequence 57718, A
46	76	55.9	465	7	US-11-056-355B-45650	Sequence 45650, A
47	76	55.9	475	7	US-11-056-355B-45649	Sequence 45649, A
48	76	55.9	545	7	US-11-056-355B-45648	Sequence 45648, A
49	76	55.9	3493	7	US-11-063-439-113	Sequence 113, App
50	76	55.9	3533	7	US-11-063-439-14	Sequence 14, Appl
51	76	55.9	3536	7	US-11-063-439-31	Sequence 31, Appl
52	74.5	54.8	1675	7	US-11-063-439-66	Sequence 66, Appl
53	74.5	54.8	3499	7	US-11-063-439-96	Sequence 96, Appl
54	74.5	54.8	3529	7	US-11-063-439-37	Sequence 37, Appl
55	74.5	54.8	3605	7	US-11-063-439-213	Sequence 213, App
56	74	54.4	115	6	US-10-196-749-86	Sequence 86, Appl
57	74	54.4	427	6	US-10-449-902-35710	Sequence 35710, A
58	74	54.4	427	6	US-10-449-902-52286	Sequence 52286, A
59	74	54.4	480	7	US-11-330-403-7609	Sequence 7609, Ap
60	74	54.4	928	6	US-10-449-902-42253	Sequence 42253, A
61	73.5	54.0	3503	7	US-11-063-439-30	Sequence 30, Appl
62	73.5	54.0	3528	7	US-11-063-439-155	Sequence 155, App
63	73.5	54.0	3587	7	US-11-063-439-260	Sequence 260, App
64	73.5	54.0	3588	7	US-11-063-439-52	Sequence 52, Appl
65	73	53.7	3487	7	US-11-063-439-56	Sequence 56, Appl
66	73	53.7	3617	7	US-11-063-439-284	Sequence 284, App
67	72.5	53.3	285	6	US-10-449-902-45169	Sequence 45169, A
68	72.5	53.3	3498	7	US-11-063-439-27	Sequence 27, Appl
69	72.5	53.3	3515	7	US-11-063-439-101	Sequence 101, App
70	72	52.9	302	6	US-10-784-513-4	Sequence 4, Appli
71	71.5	52.6	218	7	US-11-330-403-7109	Sequence 7109, Ap
72	71.5	52.6	3203	7	US-11-063-439-171	Sequence 171, App
73	71.5	52.6	3496	7	US-11-063-439-173	Sequence 173, App
74	71.5	52.6	3499	7	US-11-063-439-116	Sequence 116, App
75	71.5	52.6	3507	7	US-11-063-439-196	Sequence 196, App
76	71.5	52.6	3508	7	US-11-063-439-166	Sequence 166, App
77	71.5	52.6	3508	7	US-11-063-439-168	Sequence 168, App
78	71	52.2	160	6	US-10-953-349-10310	Sequence 10310, A
79	71	52.2	160	7	US-11-056-355B-50391	Sequence 50391, A
80	71	52.2	198	7	US-11-051-725-79	Sequence 79, Appl
81	71	52.2	198	7	US-11-051-725-87	Sequence 87, Appl
82	71	52.2	225	6	US-10-953-349-10309	Sequence 10309, A
83	71	52.2	225	7	US-11-056-355B-50390	Sequence 50390, A
84	71	52.2	243	6	US-10-953-349-10308	Sequence 10308, A
85	71	52.2	243	7	US-11-056-355B-50389	Sequence 50389, A
86	71	52.2	293	7	US-11-056-355B-22617	Sequence 22617, A
87	71	52.2	295	7	US-11-056-355B-22616	Sequence 22616, A

88	71	52.2	437	7	US-11-051-725-57	Sequence 57, Appl
89	71	52.2	437	7	US-11-051-725-69	Sequence 69, Appl
90	71	52.2	2205	7	US-11-051-725-62	Sequence 62, Appl
91	71	52.2	2206	7	US-11-051-725-84	Sequence 84, Appl
92	71	52.2	2206	7	US-11-051-725-91	Sequence 91, Appl
93	71	52.2	2261	6	US-10-829-000-10	Sequence 10, Appl
94	71	52.2	2312	7	US-11-051-725-74	Sequence 74, Appl
95	71	52.2	2505	6	US-10-829-000-9	Sequence 9, Appli
96	71	52.2	2505	6	US-10-829-000-11	Sequence 11, Appl
97	71	52.2	2511	7	US-11-051-725-12	Sequence 12, Appl
98	71	52.2	2511	7	US-11-051-725-13	Sequence 13, Appl
99	71	52.2	2523	7	US-11-051-725-11	Sequence 11, Appl
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OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 26.1728 Seconds
(without alignments)
66.887 Million cell updates/sec

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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	93	68.4	79	2	US-09-248-796A-27876	Sequence 27876, A
2	93	68.4	363	2	US-09-328-352-4930	Sequence 4930, Ap
3	92	67.6	203	2	US-09-270-767-35326	Sequence 35326, A
4	92	67.6	203	2	US-09-270-767-50543	Sequence 50543, A
5	90.5	66.5	355	2	US-09-248-796A-14612	Sequence 14612, A
6	90	66.2	427	2	US-09-506-066E-8	Sequence 8, Appli
7	89	65.4	399	2	US-09-506-066E-10	Sequence 10, Appl
8	86.5	63.6	16	2	US-10-104-307-17	Sequence 17, Appl
9	86.5	63.6	485	2	US-09-949-016-6557	Sequence 6557, Ap
10	86.5	63.6	504	2	US-09-949-016-7783	Sequence 7783, Ap
11	86	63.2	303	1	US-08-203-532F-2	Sequence 2, Appli
12	86	63.2	303	2	US-09-078-465-2	Sequence 2, Appli
13	86	63.2	303	2	US-09-940-673B-2	Sequence 2, Appli
14	86	63.2	303	5	PCT-US95-01882A-2	Sequence 2, Appli
15	85	62.5	626	2	US-09-949-016-6776	Sequence 6776, Ap
16	85	62.5	697	2	US-09-949-016-9660	Sequence 9660, Ap
17	84	61.8	353	2	US-09-270-767-32624	Sequence 32624, A
18	84	61.8	353	2	US-09-270-767-47841	Sequence 47841, A
19	84	61.8	1199	2	US-09-208-742-2	Sequence 2, Appli
20	84	61.8	1199	2	US-09-332-295-4	Sequence 4, Appli
21	84	61.8	1199	2	US-09-709-979-4	Sequence 4, Appli

22	84	61.8	1199	2	US-10-147-268-4	Sequence 4, Appli
23	83	61.0	25	2	US-09-721-154-14	Sequence 14, Appl
24	83	61.0	368	1	US-08-211-942-17	Sequence 17, Appl
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26	82	60.3	60	1	US-09-115-032-1	Sequence 1, Appli
27	82	60.3	60	5	PCT-US95-05772-1	Sequence 1, Appli
28	82	60.3	152	2	US-09-927-738-22	Sequence 22, Appl
29	82	60.3	620	2	US-09-949-016-9643	Sequence 9643, Ap
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32	81.5	59.9	763	2	US-09-434-065-2	Sequence 2, Appli
33	81.5	59.9	763	2	US-08-789-275-4	Sequence 4, Appli
34	81.5	59.9	763	2	US-08-789-275-5	Sequence 5, Appli
35	80	58.8	362	2	US-09-248-796A-16633	Sequence 16633, A
36	80	58.8	403	2	US-09-248-796A-20669	Sequence 20669, A
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38	80	58.8	471	2	US-09-506-066E-4	Sequence 4, Appli
39	80	58.8	1284	2	US-10-296-144-5	Sequence 5, Appli
40	79	58.1	253	2	US-09-270-767-42427	Sequence 42427, A
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42	79	58.1	302	2	US-08-950-860-16	Sequence 16, Appl
43	79	58.1	302	2	US-09-078-465-4	Sequence 4, Appli
44	79	58.1	302	2	US-09-940-673B-4	Sequence 4, Appli
45	79	58.1	302	5	PCT-US95-01882A-4	Sequence 4, Appli
46	78	57.4	491	2	US-09-248-796A-18483	Sequence 18483, A
47	77.5	57.0	224	2	US-09-902-540-12716	Sequence 12716, A
48	77.5	57.0	467	2	US-09-657-013-69	Sequence 69, Appl
49	77.5	57.0	467	2	US-09-657-013-70	Sequence 70, Appl
50	75.5	55.5	297	2	US-09-489-039A-12802	Sequence 12802, A
51	75.5	55.5	434	2	US-09-252-991A-30855	Sequence 30855, A
52	75	55.1	114	2	US-09-248-796A-23116	Sequence 23116, A
53	75	55.1	480	1	US-07-882-292-2	Sequence 2, Appli
54	75	55.1	480	1	US-08-331-644-2	Sequence 2, Appli
55	75	55.1	480	5	PCT-US93-04102-2	Sequence 2, Appli
56	75	55.1	633	2	US-08-557-006C-43	Sequence 43, Appl
57	75	55.1	633	2	US-09-538-092-212	Sequence 212, App
58	75	55.1	633	2	US-09-633-328B-3	Sequence 3, Appli
59	75	55.1	633	2	US-09-824-735-3	Sequence 3, Appli
60	75	55.1	633	2	US-09-487-558B-338	Sequence 338, App
61	74.5	54.8	425	2	US-09-270-767-45380	Sequence 45380, A
62	74	54.4	68	2	US-09-513-999C-7587	Sequence 7587, Ap
63	74	54.4	145	2	US-09-640-211A-794	Sequence 794, App
64	74	54.4	400	2	US-09-543-681A-6151	Sequence 6151, Ap
65	74	54.4	1402	2	US-09-248-796A-14503	Sequence 14503, A
66	74	54.4	1664	1	US-08-642-846-2	Sequence 2, Appli
67	74	54.4	1664	2	US-09-264-604-2	Sequence 2, Appli
68	74	54.4	1664	2	US-09-978-343-2	Sequence 2, Appli
69	74	54.4	1664	6	US-09-599-652-2	Sequence 2, Appli
70	73.5	54.0	313	2	US-08-686-528A-3	Sequence 3, Appli
71	73.5	54.0	313	2	US-09-456-287-3	Sequence 3, Appli
72	73.5	54.0	337	2	US-08-686-528A-2	Sequence 2, Appli
73	73.5	54.0	337	2	US-09-456-287-2	Sequence 2, Appli
74	73	53.7	163	2	US-09-902-540-13395	Sequence 13395, A
75	73	53.7	220	2	US-09-270-767-61056	Sequence 61056, A
76	73	53.7	279	2	US-09-248-796A-18859	Sequence 18859, A
77	73	53.7	349	2	US-09-461-474-12	Sequence 12, Appl
78	73	53.7	719	2	US-09-270-767-45775	Sequence 45775, A
79	73	53.7	923	2	US-09-270-767-45546	Sequence 45546, A
80	72.5	53.3	274	2	US-09-711-164-369	Sequence 369, App
81	72.5	53.3	274	2	US-09-711-164-407	Sequence 407, App
82	72	52.9	124	2	US-09-270-767-61747	Sequence 61747, A
83	72	52.9	381	2	US-09-270-767-46183	Sequence 46183, A
84	72	52.9	382	2	US-10-099-322-104	Sequence 104, App
85	72	52.9	382	2	US-10-044-564-104	Sequence 104, App
86	72	52.9	414	5	PCT-US92-06840-2	Sequence 2, Appli
87	72	52.9	431	1	US-08-311-023-2	Sequence 2, Appli
88	72	52.9	574	2	US-09-949-016-8033	Sequence 8033, Ap

89	72	52.9	749	2	US-10-099-322-103	Sequence 103, App
90	72	52.9	749	2	US-10-044-564-103	Sequence 103, App
91	72	52.9	752	2	US-10-099-322-101	Sequence 101, App
92	72	52.9	752	2	US-10-044-564-101	Sequence 101, App
93	72	52.9	755	2	US-09-642-034-5	Sequence 5, Appli
94	72	52.9	755	2	US-10-099-322-26	Sequence 26, Appl
95	72	52.9	755	2	US-10-099-322-102	Sequence 102, App
96	72	52.9	755	2	US-10-044-564-26	Sequence 26, Appl
97	72	52.9	755	2	US-10-044-564-102	Sequence 102, App
98	71	52.2	448	2	US-09-461-474-8	Sequence 8, Appli
99	71	52.2	1200	2	US-10-094-749-2682	Sequence 2682, Ap
100	70	51.5	109	2	US-09-248-796A-26944	Sequence 26944, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 85.8025 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-6
Perfect score: 136
Sequence: 1 KKHHHKHHHKKHHHKHHHKK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
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6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	136	100.0	20	4	US-10-018-103A-6	Sequence 6, Appli
2	136	100.0	20	4	US-10-131-909A-6	Sequence 6, Appli
3	110.5	81.2	17	4	US-10-131-909A-17	Sequence 17, Appl
4	98	72.1	378	4	US-10-029-386-33892	Sequence 33892, A
5	97	71.3	49	3	US-09-864-761-37882	Sequence 37882, A
6	97	71.3	52	4	US-10-243-552-985	Sequence 985, App
7	97	71.3	52	5	US-10-450-763-47452	Sequence 47452, A
8	97	71.3	292	3	US-09-864-761-37944	Sequence 37944, A
9	97	71.3	496	6	US-11-096-568A-29371	Sequence 29371, A
10	97	71.3	548	6	US-11-096-568A-29370	Sequence 29370, A
11	97	71.3	684	6	US-11-096-568A-29369	Sequence 29369, A
12	96	70.6	29	4	US-10-029-386-30014	Sequence 30014, A
13	96	70.6	233	5	US-10-450-763-50126	Sequence 50126, A
14	95	69.9	67	4	US-10-424-599-144585	Sequence 144585,
15	95	69.9	95	5	US-10-450-763-33834	Sequence 33834, A
16	94	69.1	84	5	US-10-487-078-47	Sequence 47, Appl
17	94	69.1	134	5	US-10-450-763-35551	Sequence 35551, A
18	94	69.1	156	5	US-10-450-763-35549	Sequence 35549, A
19	94	69.1	183	5	US-10-450-763-55696	Sequence 55696, A
20	94	69.1	231	5	US-10-450-763-35550	Sequence 35550, A
21	92	67.6	41	4	US-10-425-115-221230	Sequence 221230,
22	92	67.6	59	5	US-10-450-763-36244	Sequence 36244, A

23	92	67.6	82	3	US-09-864-761-33313	Sequence 33313, A
24	92	67.6	87	3	US-09-864-761-33727	Sequence 33727, A
25	92	67.6	87	3	US-09-864-761-34744	Sequence 34744, A
26	92	67.6	89	4	US-10-424-599-194312	Sequence 194312,
27	92	67.6	90	4	US-10-315-515-39	Sequence 39, Appl
28	92	67.6	90	4	US-10-315-515-44	Sequence 44, Appl
29	92	67.6	93	4	US-10-315-515-46	Sequence 46, Appl
30	92	67.6	95	4	US-10-315-515-35	Sequence 35, Appl
31	92	67.6	96	4	US-10-315-515-34	Sequence 34, Appl
32	92	67.6	96	4	US-10-315-515-36	Sequence 36, Appl
33	92	67.6	96	4	US-10-315-515-37	Sequence 37, Appl
34	92	67.6	96	4	US-10-315-515-40	Sequence 40, Appl
35	92	67.6	96	4	US-10-315-515-41	Sequence 41, Appl
36	92	67.6	96	4	US-10-315-515-42	Sequence 42, Appl
37	92	67.6	96	4	US-10-315-515-45	Sequence 45, Appl
38	92	67.6	102	5	US-10-450-763-57592	Sequence 57592, A
39	92	67.6	105	4	US-10-315-515-43	Sequence 43, Appl
40	92	67.6	106	4	US-10-315-515-38	Sequence 38, Appl
41	92	67.6	108	4	US-10-437-963-203035	Sequence 203035,
42	92	67.6	124	5	US-10-450-763-43238	Sequence 43238, A
43	92	67.6	245	5	US-10-450-763-58378	Sequence 58378, A
44	92	67.6	406	5	US-10-450-763-57609	Sequence 57609, A
45	92	67.6	523	4	US-10-017-161-1982	Sequence 1982, Ap
46	92	67.6	523	4	US-10-292-798-1630	Sequence 1630, Ap
47	92	67.6	989	6	US-11-097-143-20661	Sequence 20661, A
48	91	66.9	238	4	US-10-425-114-41573	Sequence 41573, A
49	91	66.9	275	4	US-10-425-115-205254	Sequence 205254,
50	91	66.9	287	4	US-10-424-599-185725	Sequence 185725,
51	91	66.9	316	6	US-11-096-568A-911	Sequence 911, App
52	91	66.9	324	5	US-10-450-763-50868	Sequence 50868, A
53	91	66.9	333	4	US-10-424-599-212100	Sequence 212100,
54	91	66.9	333	6	US-11-096-568A-910	Sequence 910, App
55	91	66.9	359	6	US-11-096-568A-28234	Sequence 28234, A
56	91	66.9	375	6	US-11-096-568A-28233	Sequence 28233, A
57	91	66.9	385	6	US-11-096-568A-28232	Sequence 28232, A
58	91	66.9	576	4	US-10-425-115-344208	Sequence 344208,
59	91	66.9	598	5	US-10-450-763-53954	Sequence 53954, A
60	90	66.2	275	6	US-11-096-568A-15046	Sequence 15046, A
61	90	66.2	304	5	US-10-450-763-38771	Sequence 38771, A
62	90	66.2	330	5	US-10-450-763-55690	Sequence 55690, A
63	89.5	65.8	21	4	US-10-018-103A-9	Sequence 9, Appli
64	89.5	65.8	21	4	US-10-018-103A-16	Sequence 16, Appl
65	89.5	65.8	21	4	US-10-131-909A-9	Sequence 9, Appli
66	89.5	65.8	21	4	US-10-131-909A-16	Sequence 16, Appl
67	89.5	65.8	294	5	US-10-450-763-54528	Sequence 54528, A
68	89.5	65.8	636	4	US-10-425-115-314599	Sequence 314599,
69	89	65.4	461	3	US-09-764-868-765	Sequence 765, App
70	88	64.7	47	4	US-10-437-963-113277	Sequence 113277,
71	88	64.7	227	5	US-10-450-763-44758	Sequence 44758, A
72	87	64.0	37	3	US-09-864-761-40909	Sequence 40909, A
73	87	64.0	94	5	US-10-450-763-38743	Sequence 38743, A
74	87	64.0	204	5	US-10-450-763-38565	Sequence 38565, A
75	87	64.0	1300	6	US-11-097-143-31017	Sequence 31017, A
76	86.5	63.6	16	4	US-10-104-307-17	Sequence 17, Appl
77	86.5	63.6	485	4	US-10-295-027-476	Sequence 476, App
78	86.5	63.6	485	4	US-10-802-089-2	Sequence 2, Appli
79	86	63.2	48	4	US-10-243-552-894	Sequence 894, App
80	86	63.2	93	4	US-10-424-599-237733	Sequence 237733,
81	86	63.2	123	6	US-11-097-143-34446	Sequence 34446, A
82	86	63.2	126	4	US-10-425-115-252612	Sequence 252612,
83	86	63.2	186	4	US-10-029-386-34005	Sequence 34005, A
84	86	63.2	266	5	US-10-450-763-33853	Sequence 33853, A
85	86	63.2	303	3	US-09-940-673-2	Sequence 2, Appli
86	86	63.2	303	4	US-10-462-970-2	Sequence 2, Appli
87	86	63.2	303	4	US-10-638-710-2	Sequence 2, Appli
88	86	63.2	303	4	US-10-638-694-2	Sequence 2, Appli
89	86	63.2	303	4	US-10-638-746-2	Sequence 2, Appli

90	86	63.2	303	4	US-10-638-709-2	Sequence 2, Appli
91	86	63.2	303	5	US-10-723-860-905	Sequence 905, App
92	86	63.2	735	6	US-11-097-143-33072	Sequence 33072, A
93	86	63.2	837	6	US-11-097-143-8130	Sequence 8130, Ap
94	85	62.5	30	3	US-09-864-761-36251	Sequence 36251, A
95	85	62.5	76	4	US-10-424-599-270034	Sequence 270034,
96	85	62.5	78	3	US-09-864-761-37352	Sequence 37352, A
97	85	62.5	108	4	US-10-029-386-31185	Sequence 31185, A
98	85	62.5	156	3	US-09-864-761-41679	Sequence 41679, A
99	85	62.5	587	4	US-10-755-889-64	Sequence 64, Appl
100	85	62.5	625	3	US-09-853-386-63	Sequence 63, Appl

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 12.4691 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-6
Perfect score: 136
Sequence: 1 KKHHHKHHHKKHHHKHHHKK 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
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3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
8: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	97	71.3	496	7	US-11-056-355B-71816	Sequence 71816, A
2	97	71.3	548	7	US-11-056-355B-71815	Sequence 71815, A
3	97	71.3	684	7	US-11-056-355B-71814	Sequence 71814, A
4	96	70.6	407	7	US-11-056-355B-106330	Sequence 106330,
5	96	70.6	407	7	US-11-056-355B-117569	Sequence 117569,
6	94	69.1	498	6	US-10-449-902-36716	Sequence 36716, A
7	94	69.1	498	6	US-10-449-902-48560	Sequence 48560, A
8	94	69.1	498	6	US-10-449-902-55170	Sequence 55170, A
9	94	69.1	3397	7	US-11-063-439-245	Sequence 245, App
10	94	69.1	3520	7	US-11-063-439-112	Sequence 112, App
11	94	69.1	3524	7	US-11-063-439-61	Sequence 61, Appl
12	94	69.1	3544	7	US-11-063-439-19	Sequence 19, Appl
13	94	69.1	3544	7	US-11-063-439-158	Sequence 158, App
14	94	69.1	3578	7	US-11-063-439-74	Sequence 74, Appl
15	92	67.6	3482	7	US-11-063-439-48	Sequence 48, Appl
16	92	67.6	3496	7	US-11-063-439-230	Sequence 230, App
17	92	67.6	3517	7	US-11-063-439-8	Sequence 8, Appli
18	92	67.6	3711	7	US-11-063-439-261	Sequence 261, App
19	91	66.9	359	7	US-11-056-355B-44655	Sequence 44655, A
20	91	66.9	359	7	US-11-056-355B-70457	Sequence 70457, A

21	91	66.9	375	7	US-11-056-355B-44654	Sequence 44654, A
22	91	66.9	375	7	US-11-056-355B-70456	Sequence 70456, A
23	91	66.9	385	7	US-11-056-355B-70455	Sequence 70455, A
24	91	66.9	414	7	US-11-056-355B-44653	Sequence 44653, A
25	90	66.2	275	7	US-11-056-355B-5328	Sequence 5328, Ap
26	88.5	65.1	3700	7	US-11-063-439-290	Sequence 290, App
27	88	64.7	3661	7	US-11-063-439-277	Sequence 277, App
28	86	63.2	303	6	US-10-784-513-2	Sequence 2, Appli
29	85	62.5	285	6	US-10-449-902-45169	Sequence 45169, A
30	85	62.5	443	7	US-11-283-329-128	Sequence 128, App
31	85	62.5	626	7	US-11-283-329-124	Sequence 124, App
32	85	62.5	626	7	US-11-283-329-126	Sequence 126, App
33	85	62.5	637	7	US-11-283-329-130	Sequence 130, App
34	82.5	60.7	293	7	US-11-056-355B-22617	Sequence 22617, A
35	82.5	60.7	295	7	US-11-056-355B-22616	Sequence 22616, A
36	82.5	60.7	314	6	US-10-374-780A-1392	Sequence 1392, Ap
37	82.5	60.7	314	7	US-11-330-403-9293	Sequence 9293, Ap
38	81	59.6	212	6	US-10-953-349-16531	Sequence 16531, A
39	81	59.6	235	6	US-10-953-349-16530	Sequence 16530, A
40	81	59.6	236	6	US-10-953-349-16529	Sequence 16529, A
41	81	59.6	393	7	US-11-056-355B-47973	Sequence 47973, A
42	80.5	59.2	3493	7	US-11-063-439-113	Sequence 113, App
43	80	58.8	3579	7	US-11-063-439-259	Sequence 259, App
44	79	58.1	302	6	US-10-784-513-4	Sequence 4, Appli
45	79	58.1	3499	7	US-11-063-439-96	Sequence 96, Appl
46	79	58.1	3529	7	US-11-063-439-37	Sequence 37, Appl
47	78.5	57.7	3605	7	US-11-063-439-213	Sequence 213, App
48	78	57.4	3503	7	US-11-063-439-30	Sequence 30, Appl
49	78	57.4	3528	7	US-11-063-439-155	Sequence 155, App
50	78	57.4	3533	7	US-11-063-439-14	Sequence 14, Appl
51	78	57.4	3536	7	US-11-063-439-31	Sequence 31, Appl
52	78	57.4	3587	7	US-11-063-439-260	Sequence 260, App
53	78	57.4	3588	7	US-11-063-439-52	Sequence 52, Appl
54	77.5	57.0	3617	7	US-11-063-439-284	Sequence 284, App
55	77	56.6	285	6	US-10-953-349-23543	Sequence 23543, A
56	77	56.6	285	7	US-11-056-355B-57718	Sequence 57718, A
57	77	56.6	1675	7	US-11-063-439-66	Sequence 66, Appl
58	77	56.6	3487	7	US-11-063-439-56	Sequence 56, Appl
59	76.5	56.2	3498	7	US-11-063-439-27	Sequence 27, Appl
60	76.5	56.2	3515	7	US-11-063-439-101	Sequence 101, App
61	75	55.1	427	6	US-10-449-902-35710	Sequence 35710, A
62	75	55.1	427	6	US-10-449-902-52286	Sequence 52286, A
63	74	54.4	513	6	US-10-449-902-52006	Sequence 52006, A
64	74	54.4	3203	7	US-11-063-439-171	Sequence 171, App
65	74	54.4	3496	7	US-11-063-439-173	Sequence 173, App
66	74	54.4	3499	7	US-11-063-439-116	Sequence 116, App
67	74	54.4	3507	7	US-11-063-439-196	Sequence 196, App
68	74	54.4	3508	7	US-11-063-439-166	Sequence 166, App
69	74	54.4	3508	7	US-11-063-439-168	Sequence 168, App
70	74	54.4	3657	7	US-11-063-439-129	Sequence 129, App
71	73.5	54.0	63	6	US-10-449-902-34522	Sequence 34522, A
72	73	53.7	326	6	US-10-953-349-29281	Sequence 29281, A
73	73	53.7	326	7	US-11-056-355B-63397	Sequence 63397, A
74	73	53.7	331	6	US-10-953-349-29280	Sequence 29280, A
75	73	53.7	331	7	US-11-056-355B-63396	Sequence 63396, A
76	73	53.7	365	6	US-10-953-349-29279	Sequence 29279, A
77	73	53.7	365	7	US-11-056-355B-63395	Sequence 63395, A
78	73	53.7	3342	7	US-11-063-439-273	Sequence 273, App
79	73	53.7	3710	7	US-11-063-439-270	Sequence 270, App
80	73	53.7	3712	7	US-11-063-439-272	Sequence 272, App
81	73	53.7	3719	7	US-11-063-439-263	Sequence 263, App
82	73	53.7	3729	7	US-11-063-439-274	Sequence 274, App
83	73	53.7	3741	7	US-11-063-439-265	Sequence 265, App
84	73	53.7	3742	7	US-11-063-439-283	Sequence 283, App
85	73	53.7	3974	7	US-11-063-439-276	Sequence 276, App
86	72.5	53.3	206	6	US-10-374-780A-490	Sequence 490, App
87	72.5	53.3	233	6	US-10-449-902-31878	Sequence 31878, A

88	72.5	53.3	233	6	US-10-449-902-51445	Sequence 51445, A
89	72.5	53.3	233	6	US-10-374-780A-488	Sequence 488, App
90	72.5	53.3	262	7	US-11-056-355B-83182	Sequence 83182, A
91	72.5	53.3	401	7	US-11-056-355B-83181	Sequence 83181, A
92	72.5	53.3	403	6	US-10-374-780A-2056	Sequence 2056, Ap
93	72.5	53.3	403	7	US-11-056-355B-83180	Sequence 83180, A
94	72.5	53.3	614	7	US-11-056-355B-45875	Sequence 45875, A
95	72.5	53.3	3481	7	US-11-063-439-86	Sequence 86, Appl
96	72.5	53.3	3485	7	US-11-063-439-76	Sequence 76, Appl
97	72.5	53.3	3531	7	US-11-063-439-286	Sequence 286, App
98	72	52.9	237	6	US-10-449-902-56344	Sequence 56344, A
99	72	52.9	252	6	US-10-953-349-31660	Sequence 31660, A
100	72	52.9	252	7	US-11-056-355B-62367	Sequence 62367, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 13.0864 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-14
Perfect score: 65
Sequence: 1 KHKHKHKHKH 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	100.0	10	2	US-10-104-307-18	Sequence 18, Appl
2	65	100.0	1199	2	US-09-208-742-2	Sequence 2, Appli
3	65	100.0	1199	2	US-09-332-295-4	Sequence 4, Appli
4	65	100.0	1199	2	US-09-709-979-4	Sequence 4, Appli
5	65	100.0	1199	2	US-10-147-268-4	Sequence 4, Appli
6	62	95.4	1213	1	US-08-188-582-20	Sequence 20, Appl
7	62	95.4	1213	1	US-08-646-715-20	Sequence 20, Appl
8	57	87.7	224	2	US-09-902-540-12716	Sequence 12716, A
9	55	84.6	313	2	US-08-686-528A-3	Sequence 3, Appli
10	55	84.6	313	2	US-09-456-287-3	Sequence 3, Appli
11	55	84.6	337	2	US-08-686-528A-2	Sequence 2, Appli
12	55	84.6	337	2	US-09-456-287-2	Sequence 2, Appli
13	55	84.6	1716	2	US-09-949-016-11331	Sequence 11331, A
14	52	80.0	10	2	US-09-615-153-19	Sequence 19, Appl
15	51	78.5	18	1	US-08-346-849-64	Sequence 64, Appl
16	51	78.5	18	1	US-08-293-284A-64	Sequence 64, Appl
17	51	78.5	18	2	US-08-898-300-64	Sequence 64, Appl
18	51	78.5	18	2	US-08-824-513-64	Sequence 64, Appl
19	49	75.4	14	2	US-09-648-569A-42	Sequence 42, Appl
20	49	75.4	14	2	US-09-904-196B-12	Sequence 12, Appl
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36	49	75.4	173	2	US-09-396-937-20	Sequence 20, Appl
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39	49	75.4	188	2	US-09-396-937-14	Sequence 14, Appl
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62	45	69.2	16	2	US-08-898-300-49	Sequence 49, Appl
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88	43	66.2	435	2	US-09-248-796A-19804	Sequence 19804, A

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91	43	66.2	765	2	US-09-882-274-2	Sequence 2, Appli
92	42	64.6	52	2	US-09-270-767-57777	Sequence 57777, A
93	42	64.6	67	2	US-09-270-767-42482	Sequence 42482, A
94	42	64.6	95	2	US-09-809-665A-145	Sequence 145, App
95	42	64.6	133	2	US-09-270-767-37305	Sequence 37305, A
96	42	64.6	133	2	US-09-270-767-52522	Sequence 52522, A
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GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 42.9012 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-14
Perfect score: 65
Sequence: 1 KHKHKHKHKH 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	65	100.0	10	4	US-10-104-307-18	Sequence 18, Appl
4	65	100.0	11	5	US-10-857-435A-31	Sequence 31, Appl
5	65	100.0	29	4	US-10-018-103A-7	Sequence 7, Appli
6	65	100.0	29	4	US-10-131-909A-7	Sequence 7, Appli
7	65	100.0	104	4	US-10-437-963-114806	Sequence 114806,
8	65	100.0	1199	4	US-10-147-268-4	Sequence 4, Appli
9	65	100.0	1199	4	US-10-338-279-4	Sequence 4, Appli
10	65	100.0	1199	4	US-10-408-765A-2020	Sequence 2020, Ap
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GenCore version 5.1.9

OM protein - protein search, using sw model

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Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

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Post-processing: Minimum Match 0%
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Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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53	43	66.2	16	7	US-11-320-468-29	Sequence 29, Appl
54	43	66.2	16	7	US-11-320-468-30	Sequence 30, Appl
55	43	66.2	226	7	US-11-293-697-4030	Sequence 4030, Ap
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57	43	66.2	354	7	US-11-056-355B-10604	Sequence 10604, A
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62	42	64.6	119	7	US-11-056-355B-13846	Sequence 13846, A
63	42	64.6	122	6	US-10-953-349-14294	Sequence 14294, A
64	42	64.6	142	7	US-11-056-355B-13845	Sequence 13845, A
65	42	64.6	144	7	US-11-056-355B-13138	Sequence 13138, A
66	42	64.6	155	7	US-11-056-355B-13137	Sequence 13137, A
67	42	64.6	165	6	US-10-953-349-28541	Sequence 28541, A
68	42	64.6	165	7	US-11-056-355B-65052	Sequence 65052, A
69	42	64.6	205	7	US-11-056-355B-13844	Sequence 13844, A
70	42	64.6	218	7	US-11-056-355B-13136	Sequence 13136, A
71	42	64.6	220	6	US-10-449-902-46772	Sequence 46772, A
72	42	64.6	220	6	US-10-449-902-48827	Sequence 48827, A
73	42	64.6	227	6	US-10-953-349-28540	Sequence 28540, A
74	42	64.6	227	7	US-11-056-355B-65051	Sequence 65051, A
75	42	64.6	233	6	US-10-953-349-28539	Sequence 28539, A
76	42	64.6	233	7	US-11-056-355B-65050	Sequence 65050, A
77	42	64.6	266	6	US-10-449-902-33546	Sequence 33546, A
78	42	64.6	275	7	US-11-056-355B-5328	Sequence 5328, Ap
79	42	64.6	285	6	US-10-449-902-45169	Sequence 45169, A
80	42	64.6	345	7	US-11-330-403-392	Sequence 392, App
81	42	64.6	407	7	US-11-056-355B-106330	Sequence 106330,
82	42	64.6	407	7	US-11-056-355B-117569	Sequence 117569,
83	42	64.6	749	6	US-10-449-902-44186	Sequence 44186, A
84	41.5	63.8	375	6	US-10-953-349-20171	Sequence 20171, A
85	41.5	63.8	402	6	US-10-953-349-20170	Sequence 20170, A
86	41	63.1	185	7	US-11-293-697-4100	Sequence 4100, Ap
87	41	63.1	198	6	US-10-449-902-30707	Sequence 30707, A

88	41	63.1	198	6	US-10-449-902-32831	Sequence 32831, A
89	41	63.1	198	6	US-10-449-902-52427	Sequence 52427, A
90	41	63.1	206	6	US-10-374-780A-490	Sequence 490, App
91	41	63.1	233	6	US-10-449-902-31878	Sequence 31878, A
92	41	63.1	233	6	US-10-449-902-51445	Sequence 51445, A
93	41	63.1	233	6	US-10-374-780A-488	Sequence 488, App
94	41	63.1	268	6	US-10-449-902-50912	Sequence 50912, A
95	41	63.1	293	7	US-11-056-355B-22617	Sequence 22617, A
96	41	63.1	295	7	US-11-056-355B-22616	Sequence 22616, A
97	41	63.1	307	6	US-10-196-749-262	Sequence 262, App
98	41	63.1	334	7	US-11-251-208-489	Sequence 489, App
99	41	63.1	425	6	US-10-449-902-36008	Sequence 36008, A
100	41	63.1	496	7	US-11-056-355B-71816	Sequence 71816, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 19.6296 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-15
Perfect score: 105
Sequence: 1 HHKHHKHHKHHKHHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	79	75.2	427	2	US-09-506-066E-8	Sequence 8, Appli
2	78	74.3	79	2	US-09-248-796A-27876	Sequence 27876, A
3	78	74.3	362	2	US-09-248-796A-16633	Sequence 16633, A
4	78	74.3	399	2	US-09-506-066E-10	Sequence 10, Appl
5	77	73.3	363	2	US-09-328-352-4930	Sequence 4930, Ap
6	77	73.3	626	2	US-09-949-016-6776	Sequence 6776, Ap
7	77	73.3	697	2	US-09-949-016-9660	Sequence 9660, Ap
8	76	72.4	203	2	US-09-270-767-35326	Sequence 35326, A
9	76	72.4	203	2	US-09-270-767-50543	Sequence 50543, A
10	75	71.4	25	2	US-09-721-154-14	Sequence 14, Appl
11	74	70.5	16	2	US-10-104-307-17	Sequence 17, Appl
12	73	69.5	148	2	US-09-461-325-453	Sequence 453, App
13	73	69.5	148	2	US-10-012-542-453	Sequence 453, App
14	73	69.5	148	2	US-10-115-123-453	Sequence 453, App
15	73	69.5	425	2	US-09-270-767-45380	Sequence 45380, A
16	72	68.6	253	2	US-09-270-767-42427	Sequence 42427, A
17	71	67.6	125	2	US-09-248-796A-24231	Sequence 24231, A
18	71	67.6	1200	2	US-10-094-749-2682	Sequence 2682, Ap
19	71	67.6	1284	2	US-10-296-144-5	Sequence 5, Appli
20	69.5	66.2	302	1	US-08-203-532F-4	Sequence 4, Appli
21	69.5	66.2	302	2	US-08-950-860-16	Sequence 16, Appl

22	69.5	66.2	302	2	US-09-078-465-4	Sequence 4, Appli
23	69.5	66.2	302	2	US-09-940-673B-4	Sequence 4, Appli
24	69.5	66.2	302	5	PCT-US95-01882A-4	Sequence 4, Appli
25	69.5	66.2	353	2	US-09-270-767-32624	Sequence 32624, A
26	69.5	66.2	353	2	US-09-270-767-47841	Sequence 47841, A
27	69	65.7	84	2	US-09-270-767-57094	Sequence 57094, A
28	69	65.7	179	2	US-09-270-767-41850	Sequence 41850, A
29	69	65.7	303	1	US-08-203-532F-2	Sequence 2, Appli
30	69	65.7	303	2	US-09-078-465-2	Sequence 2, Appli
31	69	65.7	303	2	US-09-940-673B-2	Sequence 2, Appli
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33	69	65.7	403	2	US-09-248-796A-20669	Sequence 20669, A
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35	68	64.8	467	2	US-09-657-013-69	Sequence 69, Appl
36	68	64.8	467	2	US-09-657-013-70	Sequence 70, Appl
37	68	64.8	480	1	US-07-882-292-2	Sequence 2, Appli
38	68	64.8	480	1	US-08-331-644-2	Sequence 2, Appli
39	68	64.8	480	5	PCT-US93-04102-2	Sequence 2, Appli
40	68	64.8	620	2	US-09-949-016-9643	Sequence 9643, Ap
41	68	64.8	633	2	US-08-557-006C-43	Sequence 43, Appl
42	68	64.8	633	2	US-09-538-092-212	Sequence 212, App
43	68	64.8	633	2	US-09-633-328B-3	Sequence 3, Appli
44	68	64.8	633	2	US-09-824-735-3	Sequence 3, Appli
45	68	64.8	633	2	US-09-487-558B-338	Sequence 338, App
46	68	64.8	763	1	US-08-677-862-2	Sequence 2, Appli
47	68	64.8	763	1	US-09-252-571-2	Sequence 2, Appli
48	68	64.8	763	2	US-09-434-065-2	Sequence 2, Appli
49	68	64.8	763	2	US-08-789-275-4	Sequence 4, Appli
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51	67.5	64.3	470	2	US-09-506-066E-6	Sequence 6, Appli
52	67.5	64.3	471	2	US-09-506-066E-4	Sequence 4, Appli
53	67	63.8	434	2	US-09-252-991A-30855	Sequence 30855, A
54	67	63.8	485	2	US-09-949-016-6557	Sequence 6557, Ap
55	67	63.8	504	2	US-09-949-016-7783	Sequence 7783, Ap
56	67	63.8	531	2	US-09-270-767-32631	Sequence 32631, A
57	67	63.8	531	2	US-09-270-767-47848	Sequence 47848, A
58	66.5	63.3	126	2	US-09-270-767-58058	Sequence 58058, A
59	66.5	63.3	970	2	US-09-270-767-42741	Sequence 42741, A
60	66	62.9	99	2	US-09-640-211A-653	Sequence 653, App
61	66	62.9	114	2	US-09-248-796A-23116	Sequence 23116, A
62	66	62.9	152	2	US-09-927-738-22	Sequence 22, Appl
63	66	62.9	220	2	US-09-270-767-61056	Sequence 61056, A
64	66	62.9	229	2	US-09-270-767-43214	Sequence 43214, A
65	66	62.9	400	2	US-09-543-681A-6151	Sequence 6151, Ap
66	66	62.9	923	2	US-09-270-767-45546	Sequence 45546, A
67	65.5	62.4	143	2	US-09-328-352-4915	Sequence 4915, Ap
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71	65	61.9	414	5	PCT-US92-06840-2	Sequence 2, Appli
72	65	61.9	491	2	US-09-248-796A-18483	Sequence 18483, A
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77	64	61.0	115	2	US-09-461-325-160	Sequence 160, App
78	64	61.0	115	2	US-10-012-542-160	Sequence 160, App
79	64	61.0	115	2	US-10-115-123-160	Sequence 160, App
80	64	61.0	170	2	US-09-270-767-44218	Sequence 44218, A
81	64	61.0	230	2	US-09-248-796A-21362	Sequence 21362, A
82	64	61.0	249	2	US-09-248-796A-16005	Sequence 16005, A
83	64	61.0	423	2	US-09-270-767-41561	Sequence 41561, A
84	64	61.0	491	2	US-09-252-991A-29041	Sequence 29041, A
85	64	61.0	570	2	US-10-104-047-2718	Sequence 2718, Ap
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87	63	60.0	115	2	US-09-991-181-95	Sequence 95, Appl
88	63	60.0	115	2	US-09-990-444-95	Sequence 95, Appl

89	63	60.0	115	2	US-09-997-333-95	Sequence 95, Appl
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91	63	60.0	115	2	US-09-989-735-95	Sequence 95, Appl
92	63	60.0	115	3	US-09-989-726-95	Sequence 95, Appl
93	63	60.0	115	3	US-09-997-514-95	Sequence 95, Appl
94	63	60.0	115	3	US-09-989-728-95	Sequence 95, Appl
95	63	60.0	115	3	US-09-997-349-95	Sequence 95, Appl
96	63	60.0	115	3	US-09-997-653-95	Sequence 95, Appl
97	63	60.0	115	3	US-09-989-293A-95	Sequence 95, Appl
98	63	60.0	145	2	US-09-640-211A-794	Sequence 794, App
99	63	60.0	755	2	US-09-642-034-5	Sequence 5, Appli
100	63	60.0	755	2	US-10-099-322-26	Sequence 26, Appl

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 64.3519 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-15
Perfect score: 105
Sequence: 1 HHKHHKHHKHHKHHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	105	100.0	15	4	US-10-018-103A-15	Sequence 15, Appl
2	105	100.0	15	4	US-10-131-909A-15	Sequence 15, Appl
3	105	100.0	20	4	US-10-018-103A-5	Sequence 5, Appli
4	105	100.0	20	4	US-10-131-909A-5	Sequence 5, Appli
5	105	100.0	26	4	US-10-018-103A-8	Sequence 8, Appli
6	105	100.0	26	4	US-10-131-909A-8	Sequence 8, Appli
7	85	81.0	238	4	US-10-425-114-41573	Sequence 41573, A
8	85	81.0	275	4	US-10-425-115-205254	Sequence 205254,
9	84	80.0	275	6	US-11-096-568A-15046	Sequence 15046, A
10	80	76.2	142	6	US-11-097-143-10002	Sequence 10002, A
11	80	76.2	227	5	US-10-450-763-44758	Sequence 44758, A
12	79	75.2	49	3	US-09-864-761-37882	Sequence 37882, A
13	79	75.2	67	4	US-10-424-599-144585	Sequence 144585,
14	79	75.2	87	3	US-09-864-761-33727	Sequence 33727, A
15	79	75.2	87	3	US-09-864-761-34744	Sequence 34744, A
16	79	75.2	330	5	US-10-450-763-55690	Sequence 55690, A
17	78	74.3	47	4	US-10-437-963-113277	Sequence 113277,
18	78	74.3	134	5	US-10-450-763-35551	Sequence 35551, A
19	78	74.3	156	5	US-10-450-763-35549	Sequence 35549, A
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28	78	74.3	461	3	US-09-764-868-765	Sequence 765, App
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31	77	73.3	59	5	US-10-450-763-36244	Sequence 36244, A
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34	77	73.3	108	4	US-10-029-386-31185	Sequence 31185, A
35	77	73.3	139	4	US-10-425-115-193568	Sequence 193568,
36	77	73.3	278	6	US-11-188-298-869	Sequence 869, App
37	77	73.3	283	6	US-11-188-298-1234	Sequence 1234, Ap
38	77	73.3	496	6	US-11-096-568A-29371	Sequence 29371, A
39	77	73.3	548	6	US-11-096-568A-29370	Sequence 29370, A
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43	77	73.3	625	4	US-10-414-080-13	Sequence 13, Appl
44	77	73.3	626	3	US-09-853-386-64	Sequence 64, Appl
45	77	73.3	626	3	US-09-853-386-65	Sequence 65, Appl
46	77	73.3	626	3	US-09-853-386-96	Sequence 96, Appl
47	77	73.3	626	4	US-10-414-080-14	Sequence 14, Appl
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49	77	73.3	626	5	US-10-659-004-116	Sequence 116, App
50	77	73.3	628	3	US-09-853-386-66	Sequence 66, Appl
51	77	73.3	628	3	US-09-853-386-68	Sequence 68, Appl
52	77	73.3	628	3	US-09-853-386-73	Sequence 73, Appl
53	77	73.3	628	4	US-10-005-169-4	Sequence 4, Appli
54	77	73.3	628	4	US-10-414-080-15	Sequence 15, Appl
55	77	73.3	684	6	US-11-096-568A-29369	Sequence 29369, A
56	77	73.3	1413	6	US-11-097-143-9363	Sequence 9363, Ap
57	77	73.3	1424	6	US-11-097-143-9354	Sequence 9354, Ap
58	76	72.4	29	4	US-10-029-386-30014	Sequence 30014, A
59	76	72.4	41	4	US-10-425-115-221230	Sequence 221230,
60	76	72.4	48	4	US-10-243-552-894	Sequence 894, App
61	76	72.4	76	5	US-10-450-763-35484	Sequence 35484, A
62	76	72.4	78	3	US-09-864-761-37352	Sequence 37352, A
63	76	72.4	89	4	US-10-424-599-194312	Sequence 194312,
64	76	72.4	89	4	US-10-425-115-261642	Sequence 261642,
65	76	72.4	90	4	US-10-315-515-39	Sequence 39, Appl
66	76	72.4	90	4	US-10-315-515-44	Sequence 44, Appl
67	76	72.4	93	4	US-10-315-515-46	Sequence 46, Appl
68	76	72.4	94	5	US-10-450-763-38743	Sequence 38743, A
69	76	72.4	95	4	US-10-315-515-35	Sequence 35, Appl
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71	76	72.4	96	4	US-10-315-515-36	Sequence 36, Appl
72	76	72.4	96	4	US-10-315-515-37	Sequence 37, Appl
73	76	72.4	96	4	US-10-315-515-40	Sequence 40, Appl
74	76	72.4	96	4	US-10-315-515-41	Sequence 41, Appl
75	76	72.4	96	4	US-10-315-515-42	Sequence 42, Appl
76	76	72.4	96	4	US-10-315-515-45	Sequence 45, Appl
77	76	72.4	102	5	US-10-450-763-57592	Sequence 57592, A
78	76	72.4	105	4	US-10-315-515-43	Sequence 43, Appl
79	76	72.4	106	4	US-10-315-515-38	Sequence 38, Appl
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81	76	72.4	109	4	US-10-425-115-307018	Sequence 307018,
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83	76	72.4	266	5	US-10-450-763-33853	Sequence 33853, A
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85	76	72.4	523	4	US-10-292-798-1630	Sequence 1630, Ap
86	76	72.4	598	5	US-10-450-763-53954	Sequence 53954, A
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93	75	71.4	324	5	US-10-450-763-50868	Sequence 50868, A
94	75	71.4	1321	4	US-10-241-220-82	Sequence 82, Appl
95	75	71.4	1321	4	US-10-295-027-262	Sequence 262, App
96	75	71.4	1321	4	US-10-408-765A-1421	Sequence 1421, Ap
97	75	71.4	1321	4	US-10-698-190-18	Sequence 18, Appl
98	75	71.4	1321	5	US-10-872-972-82	Sequence 82, Appl
99	75	71.4	1321	5	US-10-872-991-82	Sequence 82, Appl
100	74.5	71.0	75	4	US-10-424-599-167493	Sequence 167493,

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 9.35185 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-15
Perfect score: 105
Sequence: 1 HHKHHKHHKHHKHHK 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_NEW_PUB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
7: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_NEW_PUB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	84	80.0	275	7	US-11-056-355B-5328	Sequence 5328, Ap
2	77	73.3	443	7	US-11-283-329-128	Sequence 128, App
3	77	73.3	496	7	US-11-056-355B-71816	Sequence 71816, A
4	77	73.3	548	7	US-11-056-355B-71815	Sequence 71815, A
5	77	73.3	626	7	US-11-283-329-124	Sequence 124, App
6	77	73.3	626	7	US-11-283-329-126	Sequence 126, App
7	77	73.3	637	7	US-11-283-329-130	Sequence 130, App
8	77	73.3	684	7	US-11-056-355B-71814	Sequence 71814, A
9	77	73.3	3397	7	US-11-063-439-245	Sequence 245, App
10	77	73.3	3520	7	US-11-063-439-112	Sequence 112, App
11	77	73.3	3524	7	US-11-063-439-61	Sequence 61, Appl
12	77	73.3	3544	7	US-11-063-439-19	Sequence 19, Appl
13	77	73.3	3544	7	US-11-063-439-158	Sequence 158, App
14	77	73.3	3578	7	US-11-063-439-74	Sequence 74, Appl
15	76	72.4	3482	7	US-11-063-439-48	Sequence 48, Appl
16	76	72.4	3496	7	US-11-063-439-230	Sequence 230, App
17	76	72.4	3517	7	US-11-063-439-8	Sequence 8, Appli
18	76	72.4	3711	7	US-11-063-439-261	Sequence 261, App
19	75	71.4	407	7	US-11-056-355B-106330	Sequence 106330,
20	75	71.4	407	7	US-11-056-355B-117569	Sequence 117569,

21	73	69.5	393	7	US-11-056-355B-47973	Sequence 47973, A
22	71	67.6	160	6	US-10-953-349-10310	Sequence 10310, A
23	71	67.6	160	7	US-11-056-355B-50391	Sequence 50391, A
24	71	67.6	225	6	US-10-953-349-10309	Sequence 10309, A
25	71	67.6	225	7	US-11-056-355B-50390	Sequence 50390, A
26	71	67.6	243	6	US-10-953-349-10308	Sequence 10308, A
27	71	67.6	243	7	US-11-056-355B-50389	Sequence 50389, A
28	70.5	67.1	131	6	US-10-449-902-31944	Sequence 31944, A
29	70	66.7	498	6	US-10-449-902-36716	Sequence 36716, A
30	70	66.7	498	6	US-10-449-902-48560	Sequence 48560, A
31	70	66.7	498	6	US-10-449-902-55170	Sequence 55170, A
32	69.5	66.2	302	6	US-10-784-513-4	Sequence 4, Appli
33	69	65.7	285	6	US-10-953-349-23543	Sequence 23543, A
34	69	65.7	285	7	US-11-056-355B-57718	Sequence 57718, A
35	69	65.7	303	6	US-10-784-513-2	Sequence 2, Appli
36	68.5	65.2	314	6	US-10-374-780A-1392	Sequence 1392, Ap
37	68.5	65.2	314	7	US-11-330-403-9293	Sequence 9293, Ap
38	68.5	65.2	342	6	US-10-449-902-54332	Sequence 54332, A
39	67.5	64.3	359	7	US-11-056-355B-44655	Sequence 44655, A
40	67.5	64.3	359	7	US-11-056-355B-70457	Sequence 70457, A
41	67.5	64.3	375	7	US-11-056-355B-44654	Sequence 44654, A
42	67.5	64.3	375	7	US-11-056-355B-70456	Sequence 70456, A
43	67.5	64.3	385	7	US-11-056-355B-70455	Sequence 70455, A
44	67.5	64.3	414	7	US-11-056-355B-44653	Sequence 44653, A
45	67	63.8	465	7	US-11-056-355B-45650	Sequence 45650, A
46	67	63.8	475	7	US-11-056-355B-45649	Sequence 45649, A
47	67	63.8	545	7	US-11-056-355B-45648	Sequence 45648, A
48	67	63.8	3661	7	US-11-063-439-277	Sequence 277, App
49	66	62.9	513	6	US-10-449-902-52006	Sequence 52006, A
50	66	62.9	3700	7	US-11-063-439-290	Sequence 290, App
51	65.5	62.4	928	6	US-10-449-902-42253	Sequence 42253, A
52	64.5	61.4	285	6	US-10-449-902-45169	Sequence 45169, A
53	64	61.0	237	6	US-10-449-902-56344	Sequence 56344, A
54	64	61.0	3579	7	US-11-063-439-259	Sequence 259, App
55	63.5	60.5	345	7	US-11-330-403-392	Sequence 392, App
56	63	60.0	115	6	US-10-196-749-86	Sequence 86, Appl
57	63	60.0	198	7	US-11-051-725-79	Sequence 79, Appl
58	63	60.0	198	7	US-11-051-725-87	Sequence 87, Appl
59	63	60.0	206	6	US-10-374-780A-490	Sequence 490, App
60	63	60.0	233	6	US-10-449-902-31878	Sequence 31878, A
61	63	60.0	233	6	US-10-449-902-51445	Sequence 51445, A
62	63	60.0	233	6	US-10-374-780A-488	Sequence 488, App
63	63	60.0	248	6	US-10-449-902-42540	Sequence 42540, A
64	63	60.0	293	7	US-11-056-355B-22617	Sequence 22617, A
65	63	60.0	295	7	US-11-056-355B-22616	Sequence 22616, A
66	63	60.0	437	7	US-11-051-725-57	Sequence 57, Appl
67	63	60.0	437	7	US-11-051-725-69	Sequence 69, Appl
68	63	60.0	2205	7	US-11-051-725-62	Sequence 62, Appl
69	63	60.0	2206	7	US-11-051-725-84	Sequence 84, Appl
70	63	60.0	2206	7	US-11-051-725-91	Sequence 91, Appl
71	63	60.0	2261	6	US-10-829-000-10	Sequence 10, Appl
72	63	60.0	2312	7	US-11-051-725-74	Sequence 74, Appl
73	63	60.0	2505	6	US-10-829-000-9	Sequence 9, Appli
74	63	60.0	2505	6	US-10-829-000-11	Sequence 11, Appl
75	63	60.0	2511	7	US-11-051-725-12	Sequence 12, Appl
76	63	60.0	2511	7	US-11-051-725-13	Sequence 13, Appl
77	63	60.0	2523	7	US-11-051-725-11	Sequence 11, Appl
78	63	60.0	2617	7	US-11-051-725-14	Sequence 14, Appl
79	63	60.0	3536	7	US-11-063-439-31	Sequence 31, Appl
80	62.5	59.5	326	6	US-10-953-349-29281	Sequence 29281, A
81	62.5	59.5	326	7	US-11-056-355B-63397	Sequence 63397, A
82	62.5	59.5	331	6	US-10-953-349-29280	Sequence 29280, A
83	62.5	59.5	331	7	US-11-056-355B-63396	Sequence 63396, A
84	62.5	59.5	365	6	US-10-953-349-29279	Sequence 29279, A
85	62.5	59.5	365	7	US-11-056-355B-63395	Sequence 63395, A
86	62	59.0	218	7	US-11-330-403-7109	Sequence 7109, Ap
87	62	59.0	379	6	US-10-953-349-6711	Sequence 6711, Ap

88	62	59.0	380	6	US-10-953-349-6710	Sequence 6710, Ap
89	62	59.0	405	7	US-11-056-355B-91568	Sequence 91568, A
90	62	59.0	405	7	US-11-056-355B-95324	Sequence 95324, A
91	62	59.0	408	6	US-10-953-349-6709	Sequence 6709, Ap
92	62	59.0	480	7	US-11-330-403-7609	Sequence 7609, Ap
93	62	59.0	630	7	US-11-056-355B-91567	Sequence 91567, A
94	62	59.0	630	7	US-11-056-355B-95323	Sequence 95323, A
95	62	59.0	798	7	US-11-056-355B-91566	Sequence 91566, A
96	62	59.0	798	7	US-11-056-355B-95322	Sequence 95322, A
97	62	59.0	3493	7	US-11-063-439-113	Sequence 113, App
98	62	59.0	3533	7	US-11-063-439-14	Sequence 14, Appl
99	61.5	58.6	252	6	US-10-953-349-31660	Sequence 31660, A
100	61.5	58.6	252	7	US-11-056-355B-62367	Sequence 62367, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:04:27 ; Search time 27.4815 Seconds
(without alignments)
66.887 Million cell updates/sec

Title: US-10-018-103B-16
Perfect score: 130
Sequence: 1 KKHKHKHKHKGKHKHKHKHKK 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_AA:*
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2: /EMC_Celerra_SIDS3/ptodata/2/iaa/6_COMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/7_COMB.pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/H_COMB.pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/iaa/RE_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	86	66.2	1199	2	US-09-208-742-2	Sequence 2, Appli
2	86	66.2	1199	2	US-09-332-295-4	Sequence 4, Appli
3	86	66.2	1199	2	US-09-709-979-4	Sequence 4, Appli
4	86	66.2	1199	2	US-10-147-268-4	Sequence 4, Appli
5	85.5	65.8	224	2	US-09-902-540-12716	Sequence 12716, A
6	79	60.8	1213	1	US-08-188-582-20	Sequence 20, Appl
7	79	60.8	1213	1	US-08-646-715-20	Sequence 20, Appl
8	78	60.0	18	1	US-08-346-849-64	Sequence 64, Appl
9	78	60.0	18	1	US-08-293-284A-64	Sequence 64, Appl
10	78	60.0	18	2	US-08-898-300-64	Sequence 64, Appl
11	78	60.0	18	2	US-08-824-513-64	Sequence 64, Appl
12	78	60.0	313	2	US-08-686-528A-3	Sequence 3, Appli
13	78	60.0	313	2	US-09-456-287-3	Sequence 3, Appli
14	78	60.0	337	2	US-08-686-528A-2	Sequence 2, Appli
15	78	60.0	337	2	US-09-456-287-2	Sequence 2, Appli
16	67.5	51.9	425	2	US-09-270-767-45380	Sequence 45380, A
17	67	51.5	400	2	US-09-543-681A-6151	Sequence 6151, Ap
18	65	50.0	300	2	US-09-395-689-1	Sequence 1, Appli
19	65	50.0	765	1	US-08-663-112-2	Sequence 2, Appli
20	65	50.0	765	2	US-09-538-092-906	Sequence 906, App
21	65	50.0	765	2	US-09-882-274-2	Sequence 2, Appli

22	64.5	49.6	28	2	US-09-437-912-6	Sequence 6, Appli
23	64.5	49.6	47	2	US-09-612-126-4	Sequence 4, Appli
24	64.5	49.6	62	2	US-09-612-126-7	Sequence 7, Appli
25	64.5	49.6	83	2	US-09-612-126-6	Sequence 6, Appli
26	64.5	49.6	94	2	US-09-612-126-10	Sequence 10, Appl
27	64.5	49.6	179	2	US-09-612-126-11	Sequence 11, Appl
28	64.5	49.6	186	2	US-09-612-126-8	Sequence 8, Appli
29	64.5	49.6	255	2	US-09-612-126-1	Sequence 1, Appli
30	64.5	49.6	255	2	US-10-129-946-1	Sequence 1, Appli
31	64.5	49.6	415	3	US-10-162-335-76	Sequence 76, Appl
32	64.5	49.6	579	2	US-09-949-002-475	Sequence 475, App
33	64.5	49.6	579	2	US-09-949-002-481	Sequence 481, App
34	64.5	49.6	615	3	US-10-162-335-72	Sequence 72, Appl
35	64.5	49.6	644	3	US-10-162-335-74	Sequence 74, Appl
36	64.5	49.6	644	3	US-10-162-335-84	Sequence 84, Appl
37	64	49.2	726	2	US-09-126-980-2	Sequence 2, Appli
38	64	49.2	726	2	US-09-476-482-2	Sequence 2, Appli
39	64	49.2	726	2	US-09-517-605-6	Sequence 6, Appli
40	63	48.5	219	2	US-09-270-767-57647	Sequence 57647, A
41	63	48.5	297	2	US-09-248-796A-22393	Sequence 22393, A
42	63	48.5	408	2	US-09-270-767-42361	Sequence 42361, A
43	63	48.5	1097	3	US-08-951-188A-4	Sequence 4, Appli
44	62.5	48.1	148	2	US-09-461-325-453	Sequence 453, App
45	62.5	48.1	148	2	US-10-012-542-453	Sequence 453, App
46	62.5	48.1	148	2	US-10-115-123-453	Sequence 453, App
47	62.5	48.1	663	2	US-09-949-016-6046	Sequence 6046, Ap
48	62.5	48.1	673	2	US-09-949-016-7834	Sequence 7834, Ap
49	62.5	48.1	696	3	US-08-951-188A-45	Sequence 45, Appl
50	62.5	48.1	729	3	US-08-951-188A-47	Sequence 47, Appl
51	62.5	48.1	1402	2	US-09-248-796A-14503	Sequence 14503, A
52	62	47.7	16	1	US-08-346-849-49	Sequence 49, Appl
53	62	47.7	16	1	US-08-293-284A-49	Sequence 49, Appl
54	62	47.7	16	2	US-08-898-300-49	Sequence 49, Appl
55	62	47.7	16	2	US-08-824-513-49	Sequence 49, Appl
56	62	47.7	150	2	US-09-395-689-2	Sequence 2, Appli
57	62	47.7	203	2	US-09-270-767-34950	Sequence 34950, A
58	62	47.7	203	2	US-09-270-767-50167	Sequence 50167, A
59	62	47.7	213	2	US-09-248-796A-16185	Sequence 16185, A
60	62	47.7	353	2	US-09-270-767-32624	Sequence 32624, A
61	62	47.7	353	2	US-09-270-767-47841	Sequence 47841, A
62	61.5	47.3	117	2	US-09-513-999C-5282	Sequence 5282, Ap
63	61.5	47.3	363	2	US-10-094-749-1983	Sequence 1983, Ap
64	61	46.9	256	2	US-09-248-796A-20184	Sequence 20184, A
65	61	46.9	367	2	US-09-540-236-2996	Sequence 2996, Ap
66	61	46.9	399	2	US-09-506-066E-10	Sequence 10, Appl
67	60.5	46.5	253	2	US-09-270-767-42427	Sequence 42427, A
68	60	46.2	130	2	US-10-104-047-3570	Sequence 3570, Ap
69	60	46.2	218	2	US-09-252-991A-25291	Sequence 25291, A
70	60	46.2	1284	2	US-10-296-144-5	Sequence 5, Appli
71	59.5	45.8	531	2	US-09-270-767-32631	Sequence 32631, A
72	59.5	45.8	531	2	US-09-270-767-47848	Sequence 47848, A
73	59	45.4	297	2	US-09-489-039A-12802	Sequence 12802, A
74	59	45.4	904	2	US-09-976-594-615	Sequence 615, App
75	59	45.4	1664	1	US-08-642-846-2	Sequence 2, Appli
76	59	45.4	1664	2	US-09-264-604-2	Sequence 2, Appli
77	59	45.4	1664	2	US-09-978-343-2	Sequence 2, Appli
78	59	45.4	1664	6	US-09-599-652-2	Sequence 2, Appli
79	58.5	45.0	16	2	US-10-104-307-17	Sequence 17, Appl
80	58	44.6	16	1	US-08-346-849-60	Sequence 60, Appl
81	58	44.6	16	1	US-08-346-849-61	Sequence 61, Appl
82	58	44.6	16	1	US-08-293-284A-60	Sequence 60, Appl
83	58	44.6	16	1	US-08-293-284A-61	Sequence 61, Appl
84	58	44.6	16	2	US-08-898-300-60	Sequence 60, Appl
85	58	44.6	16	2	US-08-898-300-61	Sequence 61, Appl
86	58	44.6	16	2	US-08-824-513-60	Sequence 60, Appl
87	58	44.6	16	2	US-08-824-513-61	Sequence 61, Appl
88	58	44.6	63	2	US-09-513-999C-5320	Sequence 5320, Ap

89	58	44.6	82	2	US-09-248-796A-21887	Sequence 21887, A
90	58	44.6	187	2	US-09-396-937-8	Sequence 8, Appli
91	57	43.8	10	2	US-10-104-307-18	Sequence 18, Appl
92	57	43.8	76	2	US-09-248-796A-26411	Sequence 26411, A
93	57	43.8	110	2	US-09-513-999C-7836	Sequence 7836, Ap
94	57	43.8	274	2	US-09-711-164-369	Sequence 369, App
95	57	43.8	274	2	US-09-711-164-407	Sequence 407, App
96	57	43.8	344	2	US-09-134-001C-3524	Sequence 3524, Ap
97	57	43.8	381	2	US-09-919-497-96	Sequence 96, Appl
98	57	43.8	582	2	US-09-976-594-733	Sequence 733, App
99	56.5	43.5	726	3	US-08-951-188A-50	Sequence 50, Appl
100	56.5	43.5	1716	2	US-09-949-016-11331	Sequence 11331, A

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:52:03 ; Search time 90.0926 Seconds
(without alignments)
107.972 Million cell updates/sec

Title: US-10-018-103B-16
Perfect score: 130
Sequence: 1 KKHKHKHKHKGKHKHKHKHKK 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_Main:*
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:*
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5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	130	100.0	21	4	US-10-018-103A-9	Sequence 9, Appli
2	130	100.0	21	4	US-10-018-103A-16	Sequence 16, Appl
3	130	100.0	21	4	US-10-131-909A-9	Sequence 9, Appli
4	130	100.0	21	4	US-10-131-909A-16	Sequence 16, Appl
5	120	92.3	19	4	US-10-018-103A-3	Sequence 3, Appli
6	120	92.3	19	4	US-10-131-909A-3	Sequence 3, Appli
7	120	92.3	19	4	US-10-136-187-45	Sequence 45, Appl
8	120	92.3	19	5	US-10-850-873-45	Sequence 45, Appl
9	120	92.3	29	4	US-10-018-103A-4	Sequence 4, Appli
10	120	92.3	29	4	US-10-131-909A-4	Sequence 4, Appli
11	101	77.7	29	4	US-10-018-103A-7	Sequence 7, Appli
12	101	77.7	29	4	US-10-131-909A-7	Sequence 7, Appli
13	94.5	72.7	1007	4	US-10-211-133-7	Sequence 7, Appli
14	94.5	72.7	1043	4	US-10-097-340-258	Sequence 258, App
15	94.5	72.7	1043	6	US-11-050-926-258	Sequence 258, App
16	94	72.3	15	4	US-10-018-103A-2	Sequence 2, Appli
17	94	72.3	15	4	US-10-131-909A-2	Sequence 2, Appli
18	93	71.5	980	4	US-10-369-493-1406	Sequence 1406, Ap
19	93	71.5	980	4	US-10-451-467A-32	Sequence 32, Appl
20	90	69.2	19	4	US-10-018-103A-13	Sequence 13, Appl
21	90	69.2	19	4	US-10-131-909A-13	Sequence 13, Appl
22	89.5	68.8	20	4	US-10-018-103A-6	Sequence 6, Appli

23	89.5	68.8	20	4	US-10-131-909A-6	Sequence 6, Appli
24	86	66.2	1199	4	US-10-147-268-4	Sequence 4, Appli
25	86	66.2	1199	4	US-10-338-279-4	Sequence 4, Appli
26	86	66.2	1199	4	US-10-408-765A-2020	Sequence 2020, Ap
27	86	66.2	1199	5	US-10-756-149-5165	Sequence 5165, Ap
28	81	62.3	13	4	US-10-018-103A-1	Sequence 1, Appli
29	81	62.3	13	4	US-10-131-909A-1	Sequence 1, Appli
30	80	61.5	335	4	US-10-398-186-4	Sequence 4, Appli
31	80	61.5	366	4	US-10-406-686A-76	Sequence 76, Appl
32	79	60.8	1219	6	US-11-097-143-14646	Sequence 14646, A
33	78	60.0	16	3	US-09-778-200-27	Sequence 27, Appl
34	78	60.0	16	4	US-10-192-832-30	Sequence 30, Appl
35	78	60.0	16	5	US-10-431-000B-25	Sequence 25, Appl
36	78	60.0	16	5	US-10-877-068-27	Sequence 27, Appl
37	78	60.0	16	5	US-10-968-790-27	Sequence 27, Appl
38	78	60.0	18	4	US-10-390-472-64	Sequence 64, Appl
39	75	57.7	17	4	US-10-131-909A-17	Sequence 17, Appl
40	74.5	57.3	639	6	US-11-097-143-33207	Sequence 33207, A
41	73	56.2	165	6	US-11-096-568A-11373	Sequence 11373, A
42	73	56.2	227	6	US-11-096-568A-11372	Sequence 11372, A
43	73	56.2	233	6	US-11-096-568A-11371	Sequence 11371, A
44	72	55.4	337	4	US-10-270-333-96	Sequence 96, Appl
45	72	55.4	337	6	US-11-097-143-17679	Sequence 17679, A
46	71	54.6	467	5	US-10-739-930-10473	Sequence 10473, A
47	70.5	54.2	119	6	US-11-096-568A-24129	Sequence 24129, A
48	70.5	54.2	142	6	US-11-096-568A-24128	Sequence 24128, A
49	70.5	54.2	201	4	US-10-425-114-70425	Sequence 70425, A
50	70.5	54.2	205	4	US-10-425-115-357812	Sequence 357812,
51	70.5	54.2	205	6	US-11-096-568A-24127	Sequence 24127, A
52	70.5	54.2	216	4	US-10-425-114-68080	Sequence 68080, A
53	70	53.8	19	4	US-10-018-103A-11	Sequence 11, Appl
54	70	53.8	19	4	US-10-131-909A-11	Sequence 11, Appl
55	70	53.8	71	4	US-10-425-115-238808	Sequence 238808,
56	69	53.1	218	4	US-10-425-114-64096	Sequence 64096, A
57	69	53.1	428	4	US-10-437-963-199613	Sequence 199613,
58	69	53.1	1291	4	US-10-312-352-32	Sequence 32, Appl
59	68.5	52.7	68	4	US-10-425-115-343636	Sequence 343636,
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61	68	52.3	20	4	US-10-131-909A-5	Sequence 5, Appli
62	68	52.3	36	4	US-10-424-599-178307	Sequence 178307,
63	68	52.3	75	4	US-10-424-599-167493	Sequence 167493,
64	68	52.3	123	6	US-11-096-568A-27903	Sequence 27903, A
65	68	52.3	144	6	US-11-096-568A-19656	Sequence 19656, A
66	68	52.3	155	6	US-11-096-568A-19655	Sequence 19655, A
67	68	52.3	159	6	US-11-096-568A-27902	Sequence 27902, A
68	68	52.3	217	4	US-10-425-115-218015	Sequence 218015,
69	68	52.3	218	4	US-10-425-115-313121	Sequence 313121,
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72	68	52.3	899	4	US-10-437-963-122313	Sequence 122313,
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75	67.5	51.9	931	4	US-10-408-765A-1585	Sequence 1585, Ap
76	67.5	51.9	964	6	US-11-097-143-14541	Sequence 14541, A
77	67.5	51.9	1616	5	US-10-934-998-88	Sequence 88, Appl
78	67	51.5	217	6	US-11-097-143-5385	Sequence 5385, Ap
79	67	51.5	221	4	US-10-424-599-252204	Sequence 252204,
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81	66	50.8	160	4	US-10-424-599-249584	Sequence 249584,
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83	66	50.8	408	4	US-10-377-636-2	Sequence 2, Appli
84	66	50.8	440	4	US-10-425-115-199466	Sequence 199466,
85	66	50.8	1097	6	US-11-097-143-13503	Sequence 13503, A
86	66	50.8	1266	5	US-10-723-860-4398	Sequence 4398, Ap
87	66	50.8	1281	4	US-10-363-616-334	Sequence 334, App
88	65	50.0	243	3	US-09-867-550-678	Sequence 678, App
89	65	50.0	287	4	US-10-282-122A-59708	Sequence 59708, A

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91	65	50.0	315	4	US-10-425-114-49525	Sequence 49525, A
92	65	50.0	320	4	US-10-425-115-353923	Sequence 353923,
93	65	50.0	446	4	US-10-424-599-265245	Sequence 265245,
94	65	50.0	765	3	US-09-882-274-2	Sequence 2, Appli
95	65	50.0	765	4	US-10-408-765A-1149	Sequence 1149, Ap
96	65	50.0	765	5	US-10-484-577-679	Sequence 679, App
97	65	50.0	1046	6	US-11-097-143-27876	Sequence 27876, A
98	65	50.0	1064	6	US-11-097-143-3996	Sequence 3996, Ap
99	64.5	49.6	109	5	US-10-637-313-8	Sequence 8, Appli
100	64.5	49.6	109	5	US-10-637-313-48	Sequence 48, Appl

GenCore version 5.1.9

OM protein - protein search, using sw model

Run on: July 26, 2006, 12:53:38 ; Search time 13.0926 Seconds
(without alignments)
105.932 Million cell updates/sec

Title: US-10-018-103B-16
Perfect score: 130
Sequence: 1 KKHKHKHKHKGKHKHKHKHKK 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 232337 seqs, 66044171 residues

Total number of hits satisfying chosen parameters: 232337

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Published_Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	78	60.0	16	7	US-11-254-805-49	Sequence 49, Appl
2	78	60.0	16	7	US-11-320-468-49	Sequence 49, Appl
3	78	60.0	18	7	US-11-254-805-34	Sequence 34, Appl
4	78	60.0	18	7	US-11-320-468-34	Sequence 34, Appl
5	73	56.2	165	6	US-10-953-349-28541	Sequence 28541, A
6	73	56.2	165	7	US-11-056-355B-65052	Sequence 65052, A
7	73	56.2	227	6	US-10-953-349-28540	Sequence 28540, A
8	73	56.2	227	7	US-11-056-355B-65051	Sequence 65051, A
9	73	56.2	233	6	US-10-953-349-28539	Sequence 28539, A
10	73	56.2	233	7	US-11-056-355B-65050	Sequence 65050, A
11	72	55.4	220	6	US-10-449-902-48827	Sequence 48827, A
12	70.5	54.2	119	7	US-11-056-355B-13846	Sequence 13846, A
13	70.5	54.2	142	7	US-11-056-355B-13845	Sequence 13845, A
14	70.5	54.2	205	7	US-11-056-355B-13844	Sequence 13844, A
15	68	52.3	123	7	US-11-056-355B-70006	Sequence 70006, A
16	68	52.3	123	7	US-11-056-355B-87848	Sequence 87848, A
17	68	52.3	144	7	US-11-056-355B-13138	Sequence 13138, A
18	68	52.3	155	7	US-11-056-355B-13137	Sequence 13137, A
19	68	52.3	159	7	US-11-056-355B-70005	Sequence 70005, A
20	68	52.3	159	7	US-11-056-355B-87847	Sequence 87847, A

21	68	52.3	218	7	US-11-056-355B-13136	Sequence 13136, A
22	68	52.3	220	6	US-10-449-902-46772	Sequence 46772, A
23	68	52.3	221	7	US-11-056-355B-70004	Sequence 70004, A
24	68	52.3	243	7	US-11-056-355B-87846	Sequence 87846, A
25	67	51.5	1135	6	US-10-449-902-41295	Sequence 41295, A
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27	64	49.2	145	7	US-11-056-355B-71462	Sequence 71462, A
28	64	49.2	207	7	US-11-056-355B-71461	Sequence 71461, A
29	64	49.2	299	6	US-10-953-349-5486	Sequence 5486, Ap
30	64	49.2	300	6	US-10-953-349-5485	Sequence 5485, Ap
31	64	49.2	359	7	US-11-056-355B-44655	Sequence 44655, A
32	64	49.2	359	7	US-11-056-355B-70457	Sequence 70457, A
33	64	49.2	375	7	US-11-056-355B-44654	Sequence 44654, A
34	64	49.2	375	7	US-11-056-355B-70456	Sequence 70456, A
35	64	49.2	385	7	US-11-056-355B-70455	Sequence 70455, A
36	64	49.2	414	7	US-11-056-355B-44653	Sequence 44653, A
37	64	49.2	448	6	US-10-953-349-5484	Sequence 5484, Ap
38	62.5	48.1	885	7	US-11-293-697-3459	Sequence 3459, Ap
39	62	47.7	16	7	US-11-254-805-18	Sequence 18, Appl
40	62	47.7	16	7	US-11-320-468-18	Sequence 18, Appl
41	62	47.7	102	6	US-10-953-349-12284	Sequence 12284, A
42	62	47.7	113	6	US-10-953-349-12282	Sequence 12282, A
43	62	47.7	201	7	US-11-293-697-3199	Sequence 3199, Ap
44	62	47.7	266	6	US-10-449-902-33546	Sequence 33546, A
45	62	47.7	513	6	US-10-449-902-35344	Sequence 35344, A
46	61.5	47.3	343	6	US-10-478-743B-4	Sequence 4, Appli
47	61.5	47.3	375	6	US-10-953-349-20171	Sequence 20171, A
48	61.5	47.3	382	6	US-10-478-743B-2	Sequence 2, Appli
49	61.5	47.3	402	6	US-10-953-349-20170	Sequence 20170, A
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51	60	46.2	816	7	US-11-330-403-5498	Sequence 5498, Ap
52	59	45.4	405	7	US-11-056-355B-91568	Sequence 91568, A
53	59	45.4	405	7	US-11-056-355B-95324	Sequence 95324, A
54	59	45.4	407	7	US-11-056-355B-106330	Sequence 106330,
55	59	45.4	407	7	US-11-056-355B-117569	Sequence 117569,
56	59	45.4	496	7	US-11-056-355B-71816	Sequence 71816, A
57	59	45.4	548	7	US-11-056-355B-71815	Sequence 71815, A
58	59	45.4	630	7	US-11-056-355B-91567	Sequence 91567, A
59	59	45.4	630	7	US-11-056-355B-95323	Sequence 95323, A
60	59	45.4	684	7	US-11-056-355B-71814	Sequence 71814, A
61	59	45.4	740	7	US-11-251-208-230	Sequence 230, App
62	59	45.4	798	7	US-11-056-355B-91566	Sequence 91566, A
63	59	45.4	798	7	US-11-056-355B-95322	Sequence 95322, A
64	58	44.6	16	7	US-11-254-805-29	Sequence 29, Appl
65	58	44.6	16	7	US-11-254-805-30	Sequence 30, Appl
66	58	44.6	16	7	US-11-320-468-29	Sequence 29, Appl
67	58	44.6	16	7	US-11-320-468-30	Sequence 30, Appl
68	58	44.6	230	6	US-10-953-349-24618	Sequence 24618, A
69	58	44.6	722	6	US-10-449-902-51079	Sequence 51079, A
70	58	44.6	905	6	US-10-449-902-41605	Sequence 41605, A
71	58	44.6	3711	7	US-11-063-439-261	Sequence 261, App
72	58	44.6	3974	7	US-11-063-439-276	Sequence 276, App
73	57	43.8	158	6	US-10-449-902-33705	Sequence 33705, A
74	57	43.8	381	6	US-10-505-928-73	Sequence 73, Appl
75	56.5	43.5	884	7	US-11-105-233-58	Sequence 58, Appl
76	56	43.1	126	6	US-10-449-902-34397	Sequence 34397, A
77	56	43.1	197	6	US-10-449-902-49648	Sequence 49648, A
78	56	43.1	3397	7	US-11-063-439-245	Sequence 245, App
79	56	43.1	3520	7	US-11-063-439-112	Sequence 112, App
80	56	43.1	3524	7	US-11-063-439-61	Sequence 61, Appl
81	56	43.1	3544	7	US-11-063-439-19	Sequence 19, Appl
82	56	43.1	3544	7	US-11-063-439-158	Sequence 158, App
83	56	43.1	3578	7	US-11-063-439-74	Sequence 74, Appl
84	55	42.3	131	6	US-10-449-902-31944	Sequence 31944, A
85	55	42.3	226	7	US-11-293-697-4030	Sequence 4030, Ap
86	55	42.3	319	7	US-11-056-355B-36981	Sequence 36981, A
87	55	42.3	319	7	US-11-056-355B-101817	Sequence 101817,

88	55	42.3	319	7	US-11-056-355B-113056	Sequence 113056,
89	55	42.3	368	7	US-11-056-355B-36980	Sequence 36980, A
90	55	42.3	368	7	US-11-056-355B-101816	Sequence 101816,
91	55	42.3	368	7	US-11-056-355B-113055	Sequence 113055,
92	55	42.3	393	7	US-11-056-355B-47973	Sequence 47973, A
93	55	42.3	410	7	US-11-056-355B-36979	Sequence 36979, A
94	55	42.3	410	7	US-11-056-355B-101815	Sequence 101815,
95	55	42.3	410	7	US-11-056-355B-113054	Sequence 113054,
96	55	42.3	614	7	US-11-056-355B-45875	Sequence 45875, A
97	54.5	41.9	264	7	US-11-056-355B-73386	Sequence 73386, A
98	54.5	41.9	275	7	US-11-056-355B-30606	Sequence 30606, A
99	54.5	41.9	275	7	US-11-056-355B-34196	Sequence 34196, A
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